# Alcatel-Lucent CDMA / EVDO Network

## 9200 Product Line | Release 32.0

**Software License Key Delivery Infrastructure (LKDI)**
**FLEXNET OPERATIONS® (FNO)**
**CUSTOMER USER MANUAL**

401-703-800
Issue 5
December 2009

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# About This Document

## Purpose

This *CDMA / EVDO Software License Key Delivery Infrastructure (LKDI) FLEXnet Operations Customer User Manual* provides a general introduction to the way license keys are entitled, fulfilled, and maintained.

## Reason for Reissue

This issue of the *CDMA / EVDO Software License Key Delivery Infrastructure (LKDI) FLEXnet Operations Customer User Manual* (Issue 5, December 2009) contains the following new or changed information since Issue 4 (February 2009).

- Issue 5 (December 2009) provides updated On Line Customer Support (OLCS) pages, updated screen shots for the new LKDI platform release, and additional fulfillment examples.

## Intended Audience

This document is designed for 9200 Product Line service provider personnel who are responsible for the provisioning of license keys.

## Prerequisite Knowledge and skills

To use this document effectively, you should be familiar with the following:

- general use of a personal computer
- license key entitlement
- license key fulfillment
- license key installation.

## How to Use This Document

This document contains the following chapters:

- Chapter 1, “Login instructions”.
- Chapter 2, “CDMA license key fulfillment”.

- Chapter 3, “EV-DO license key fulfillment”.
- Chapter 4, “Manage license keys”.
- Chapter 5, “Reports”.
- Chapter 6, “Returns, Rehosting, and Bulk Processing”.
- Appendix A, “Browser settings and common error messages”.
- Appendix B, “Additional fulfillment examples (CDMA and EvDO Products)”
- Appendix C, “Log-in instructions for Alcatel-Lucent Employees”
- Appendix D, “History of Revisions”.

### Typographic Conventions

Different types of information are presented in the following typefaces to emphasize what type of information is being presented:

- **Literal user input.** Keystrokes that you are to enter character by character exactly as shown in the text appear in **`monospace bold`** type. For example:

  **`Enter these characters exactly as shown.`**

- **Variable user input.** Input values that vary from one execution or instance to another appear in ***`monospace bold italic`*** type. For example:

  **`cd`** ***`directory`***

  where

  ***`directory`*** = the directory to which you want to change.

- **Literal system output.** The names of files, directories, forms, and information that a system displays or outputs exactly as shown in the text appears in `monospace regular` type. For example:

  `RST SPA=cnam REQUEST ACKNOWLEDGED`

- **Variable system output.** Values that vary from one instance to another in system output appear in *`monospace italic`* type. For example:

  `RST SPA=`*`SPA_NAME`*` REQUEST COMPLETED`

  where

  *`SPA_NAME`* = the name of the Service Package Application (SPA) that has been successfully restored.

- The names of keyboard keys are indicated by **bold** letters. For example:

  Press the **F4** (**Enter Query**) function key.

- The Control (**Ctrl**) key is signified by the carat ( ^ ) symbol.

- Titles of documents and other information products are presented in italic font. For example:

  *9200 Product Line UNIX® User's Guide*

### User Input Terminology

The following words specify what action you should perform to input data or execute commands:

- The word *enter* means to key in the specified keystrokes (such as a command) and then press the **Return** or **Enter** key.
- The word *press* means to press the specified key or multiple keys (such as **^e**) simultaneously.
- The word *type* means to key in the specified keystrokes (such as a value in the field of a form) without pressing the **Return** or **Enter** key.

### Systems Supported

This document supports Alcatel-Lucent CDMA and 1xEV-DO networks.

### To Obtain Documentation, Training, or Technical Support or Submit Feedback

The Online Customer Support (OLCS) web site:

**http://support.alcatel-lucent.com**

provides access to technical support, related documentation, related training, and feedback tools. The site also provides account registration for new users.

# 1 Login instructions

## Introduction

To access the Software License Key Delivery portal, you need to enter the Alcatel-Lucent On-Line Customer Support (OLCS) home page:

https://softwarekeys.alcatel-lucent.com/flexclientws/home.jsp

By clicking on the **Software Keys** or **Software License Key Delivery Infrastructure** link, you will then be automatically directed to the various license key options.

### Chapter Contents

This chapter covers the topics that are listed in Table 1-1.

**Table 1-1 Topics List**


| Topic | See page |
|---|---|
| Customer Log In to the OLCS Web Site | 1-1 |
| Manage Entitlements Screen (Fulfilling a License Key) | 1-7 |

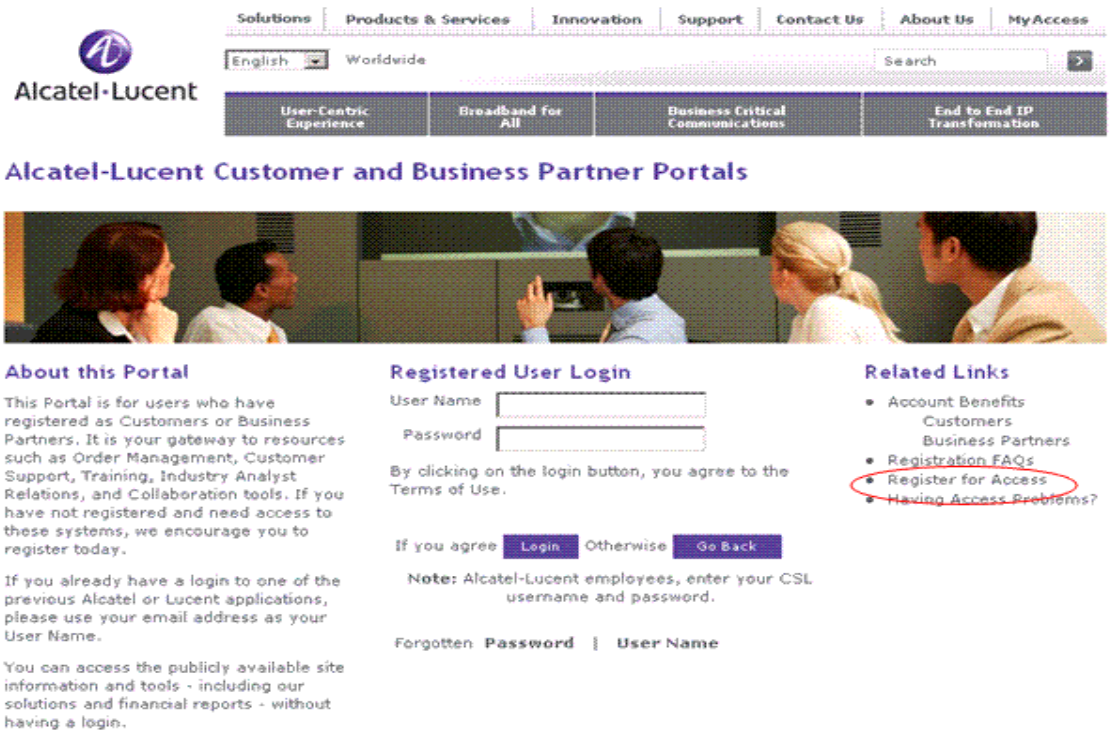

## Customer Log In to the OLCS Web Site

**Note:** Alcatel-Lucent (ALU) employees do not request log-ins through this process. Log-in instructions for Alcatel-Lucent employees are provided in Appendix C, "Log-in instructions for Alcatel-Lucent Employees".

1 You first need an OLCS user name and password. Go to the OLCS home page:

**`https://market.alcatel-lucent.com/release/jsp/sso/login.html`**

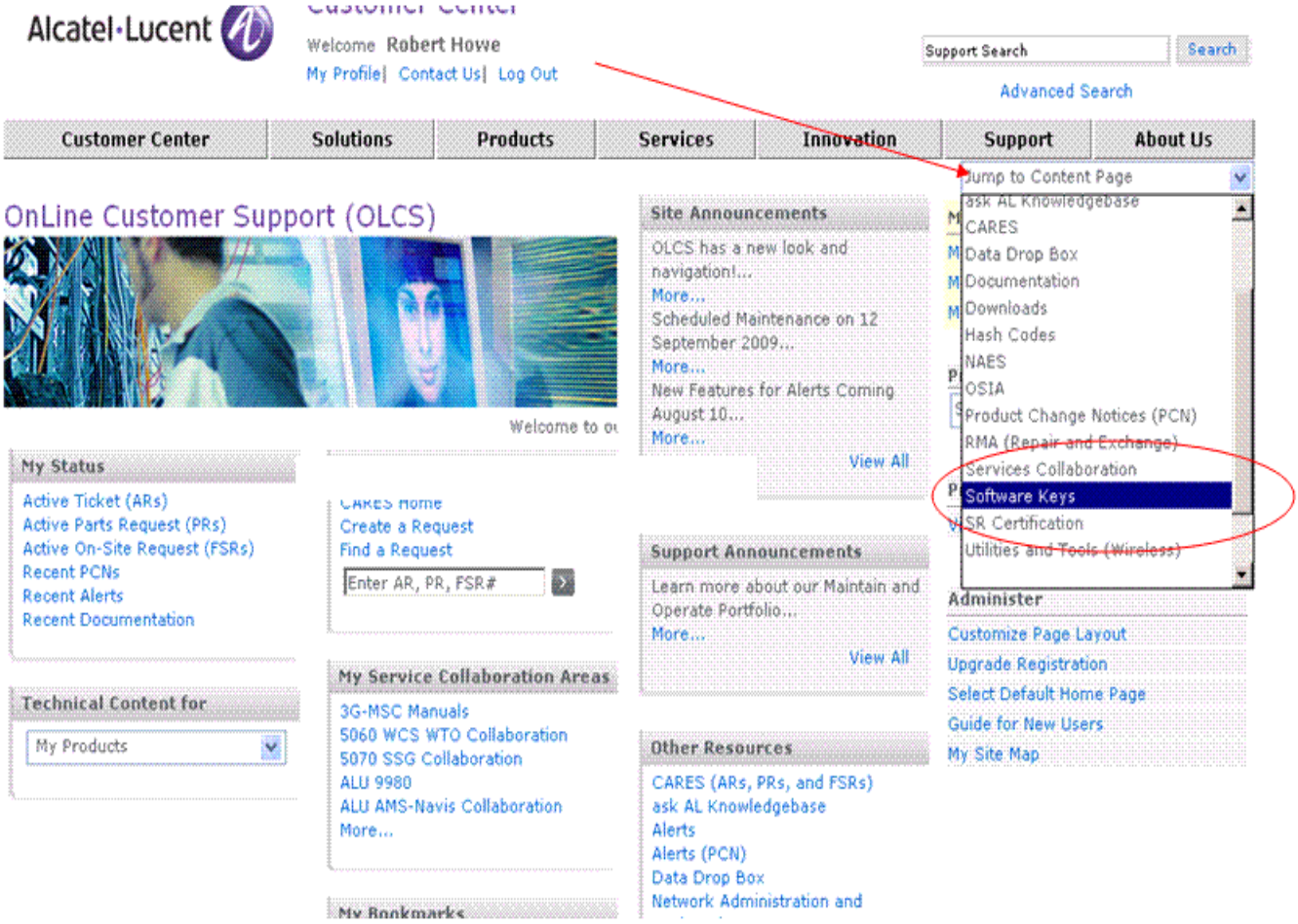
**Result:** The following window is displayed.


Solutions
Products & Services
Innovation
Support
Contact Us
About Us
My Access
Alcatel·Lucent
English
Worldwide
Search
User-Centric Experience
Broadband for All
Business Critical Communications
End to End IP Transformation
Alcatel-Lucent Customer and Business Partner Portals
About this Portal
This Portal is for users who have registered as Customers or Business Partners. It is your gateway to resources such as Order Management, Customer Support, Training, Industry Analyst Relations, and Collaboration tools. If you have not registered and need access to these systems, we encourage you to register today.
If you already have a login to one of the previous Alcatel or Lucent applications, please use your email address as your User Name.
You can access the publicly available site information and tools - including our solutions and financial reports - without having a login.
Registered User Login
User Name
Password
By clicking on the login button, you agree to the Terms of Use.
If you agree
Login
Otherwise
Go Back
Note: Alcatel-Lucent employees, enter your CSL username and password.
Forgotten Password | User Name
Related Links
Account Benefits
Customers
Business Partners
Registration FAQs
Register for Access
Having Access Problems?

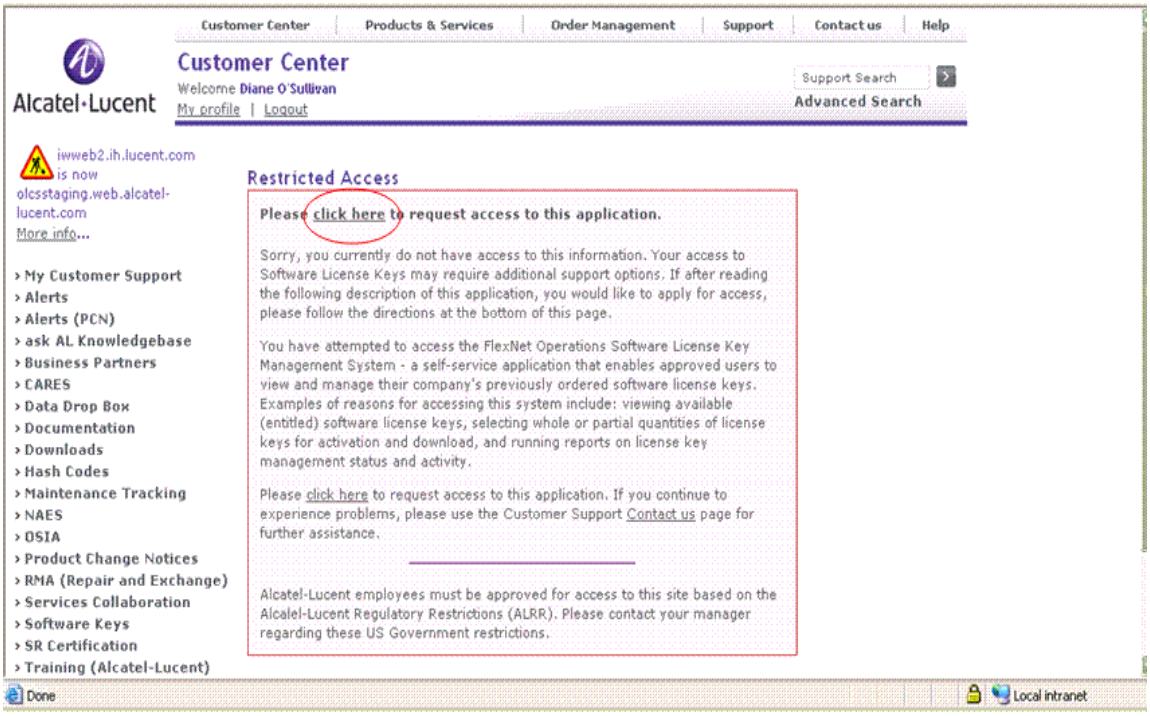
2 Click **Register for Access**.

**Result:** The OLCS home page is displayed.

3 You now need to request an LKDI user ID in order to access the LKDI system. To do this, pull down **Jump to Content Page** Menu on the upper right side of the OLCS web page. Then click on the **Software Keys** option.

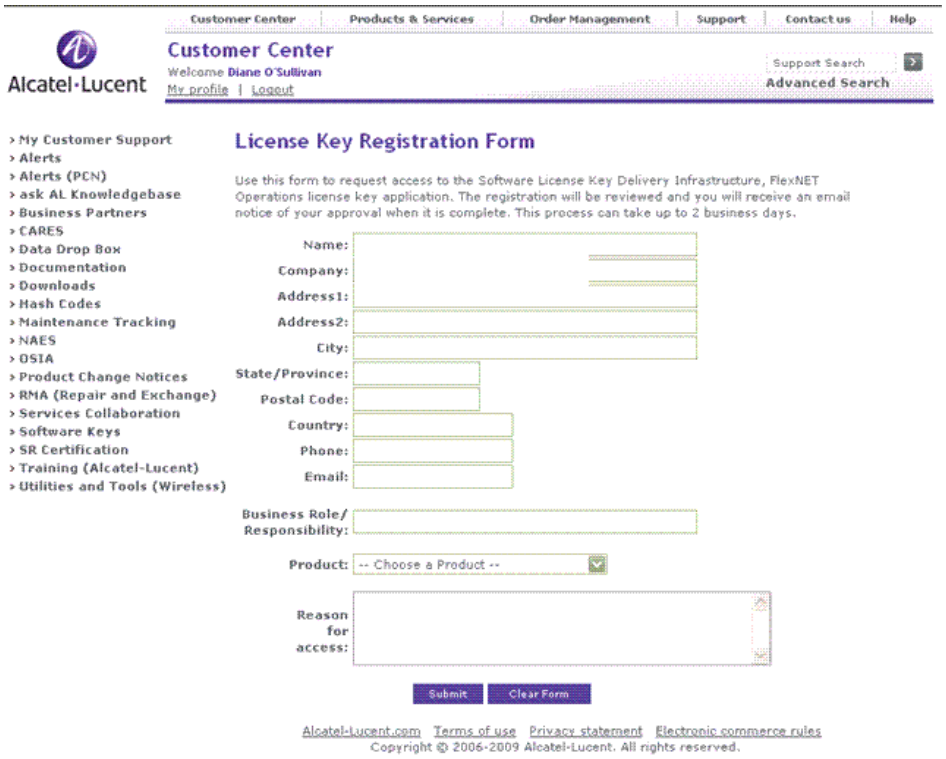


4 You will then see the Software License Key landing page. Click on **Software License Key Delivery Infrastructure**. The following screen is displayed when you click on this link the very first time:


Customer Center
Products & Services
Order Management
Support
Contact us
Help
Alcatel·Lucent
Customer Center
Welcome Diane O'Sullivan
My profile | Logout
Support Search
Advanced Search
iwweb2.ih.lucent.com is now olcsstaging.web.alcatel-lucent.com
More info...
› My Customer Support
› Alerts
› Alerts (PCN)
› ask AL Knowledgebase
› Business Partners
› CARES
› Data Drop Box
› Documentation
› Downloads
› Hash Codes
› Maintenance Tracking
› NAES
› OSIA
› Product Change Notices
› RMA (Repair and Exchange)
› Services Collaboration
› Software Keys
› SR Certification
› Training (Alcatel-Lucent)
Restricted Access
Please click here to request access to this application.
Sorry, you currently do not have access to this information. Your access to Software License Keys may require additional support options. If after reading the following description of this application, you would like to apply for access, please follow the directions at the bottom of this page.
You have attempted to access the FlexNet Operations Software License Key Management System - a self-service application that enables approved users to view and manage their company's previously ordered software license keys. Examples of reasons for accessing this system include: viewing available (entitled) software license keys, selecting whole or partial quantities of license keys for activation and download, and running reports on license key management status and activity.
Please click here to request access to this application. If you continue to experience problems, please use the Customer Support Contact us page for further assistance.
Alcatel-Lucent employees must be approved for access to this site based on the Alcalel-Lucent Regulatory Restrictions (ALRR). Please contact your manager regarding these US Government restrictions.
Done
Local intranet

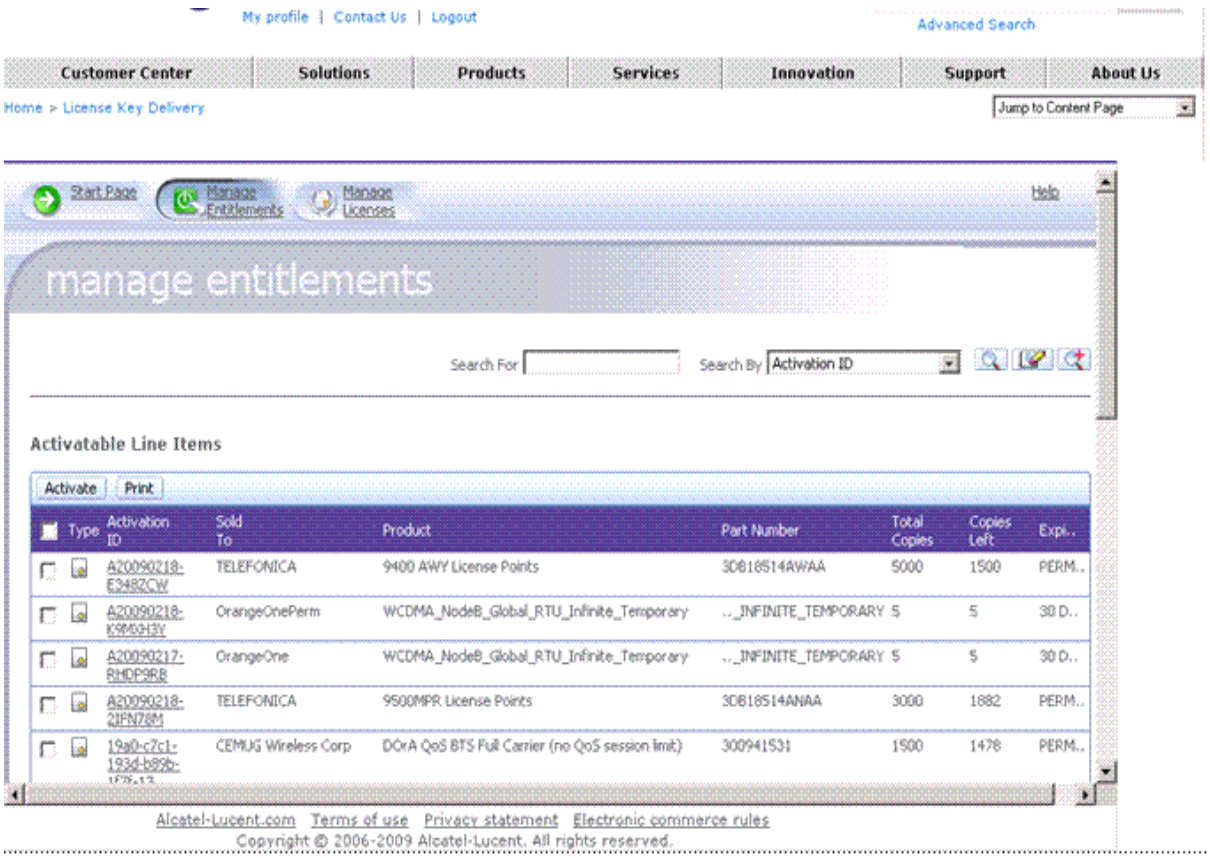
5 Click where it says to **click here**.

**Result:** You will be directed to the following user request page.




6 Fill out this form for requesting access to the LKDI platform.

**Note:** After you have been established as an LKDI user, the next time you access OLCS and click on **Software License Key Delivery Infrastructure**, you will automatically be directed into the LKDI Manage Entitlements page. Notice that when logging into LKDI through OLCS, the OLCS navigation is still available at the top of the user's browser.



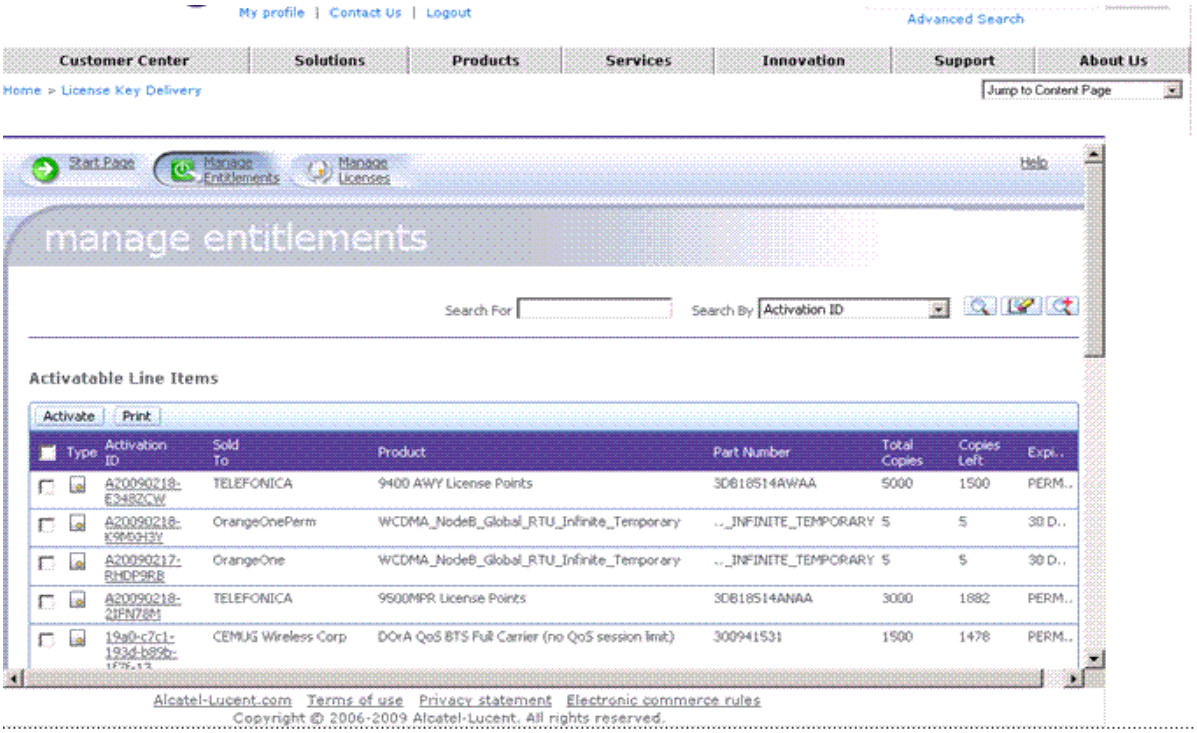

7 From this page, you can do any of the following:

- Manage Entitlements (see “CDMA license key fulfillment” (p. 2-1) and “EV-DO license key fulfillment” (p. 3-1))
- Manage Licenses (see “Manage license keys” (p. 4-1))
- Generate Reports (see “Reports” (p. 5-1)).

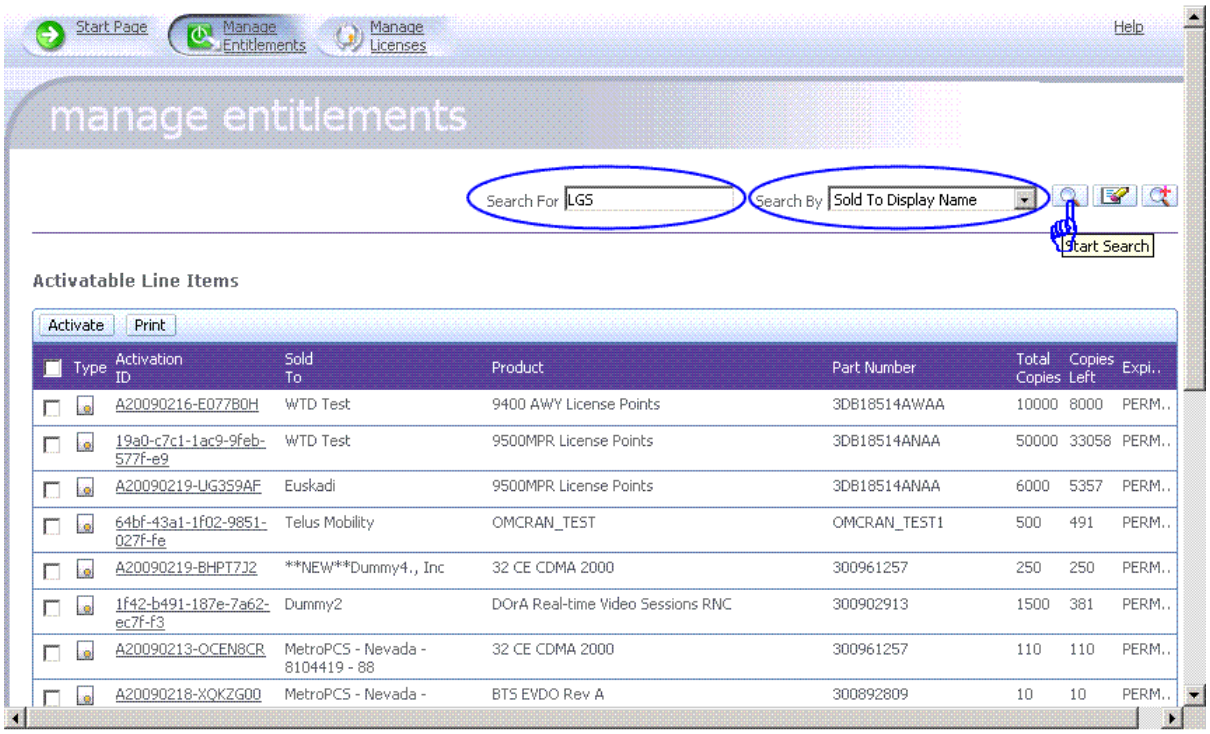
END OF STEPS

# Manage Entitlements Screen (Fulfilling a License Key)

1 The Manage Entitlements page is the main page you will want to get to once you log into the License Key Management system. Think of this page as an inventory of your license key entitlements. Information is available that includes the products and quantities available for fulfillment.

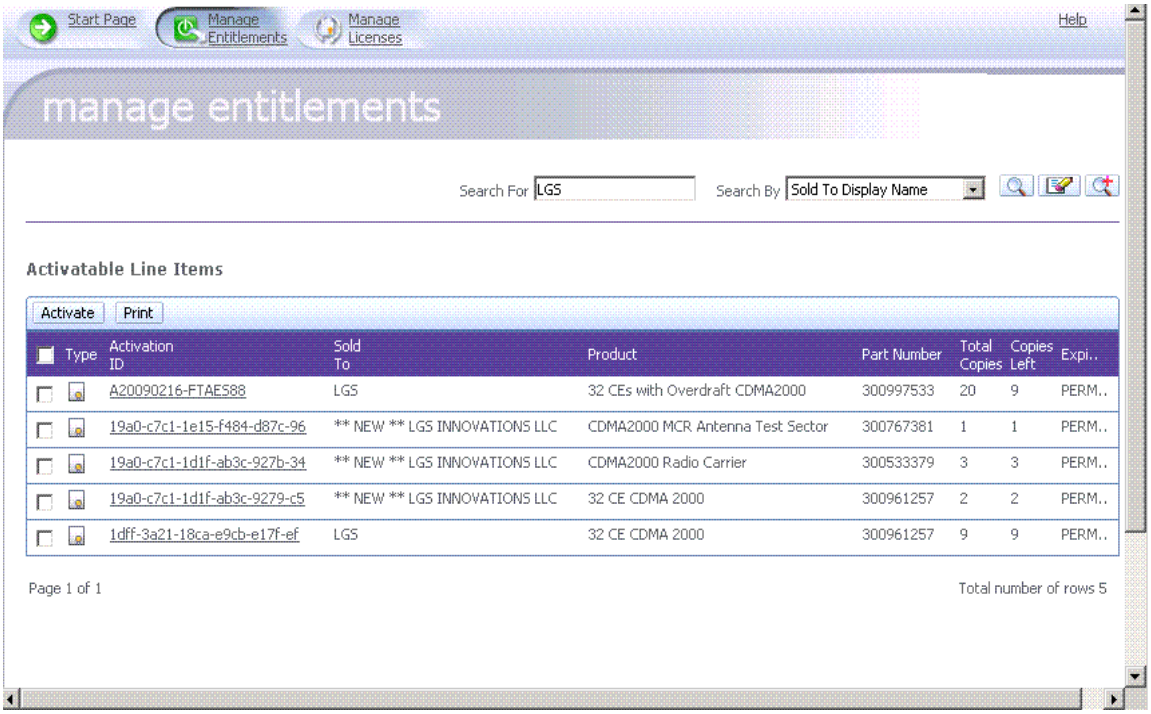


2 If the manage entitlement screen shows more entitlements than what you are interested in, just enter information such as a "Sold To" string in the "Search For" box and then in the "Search By" box select "Sold To Display Name" then select the Start Search magnifying glass button.




**Note:** You can access this page at any time by clicking on **Manage Entitlements**.

**Result:** Example of shortened list is shown below.


Start Page
Manage Entitlements
Manage Licenses
Help
manage entitlements
Search For LGS
Search By Sold To Display Name
Activatable Line Items
Activate
Print
Type
Activation ID
Sold To
Product
Part Number
Total Copies
Copies Left
Expi..
A20090216-FTAES88 LGS 32 CEs with Overdraft CDMA2000 300997533 20 9 PERM..
19a0-c7c1-1e15-f484-d87c-96 ** NEW ** LGS INNOVATIONS LLC CDMA2000 MCR Antenna Test Sector 300767381 1 1 PERM..
19a0-c7c1-1d1f-ab3c-927b-34 ** NEW ** LGS INNOVATIONS LLC CDMA2000 Radio Carrier 300533379 3 3 PERM..
19a0-c7c1-1d1f-ab3c-9279-c5 ** NEW ** LGS INNOVATIONS LLC 32 CE CDMA 2000 300961257 2 2 PERM..
1dff-3a21-18ca-e9cb-e17f-ef LGS 32 CE CDMA 2000 300961257 9 9 PERM..
Page 1 of 1
Total number of rows 5

## END OF STEPS

# 2 CDMA license key fulfillment

## Introduction

This chapter describes the Manage Entitlements functionality for CDMA license key entitlement. It is the main page you will want to use once you log into the License Key Management system. Think of this page as an inventory of your license key entitlements. Information is available that includes the products and quantities available for fulfillment.

### Chapter Contents

This chapter covers the topics that are listed in Table 2-1.

**Table 2-1 Topics List**


| Topic | See page |
|---|---|
| CDMA License Key Fulfillment selection | 2-1 |
| Entering the serial number | 2-3 |
| Entering fulfillment quantity | 2-4 |
| License key generation | 2-5 |
| Saving, emailing, or printing the license key file | 2-6 |


### References

9256 Operations and Management Platform (OMP) OA&M, 401-662-108.

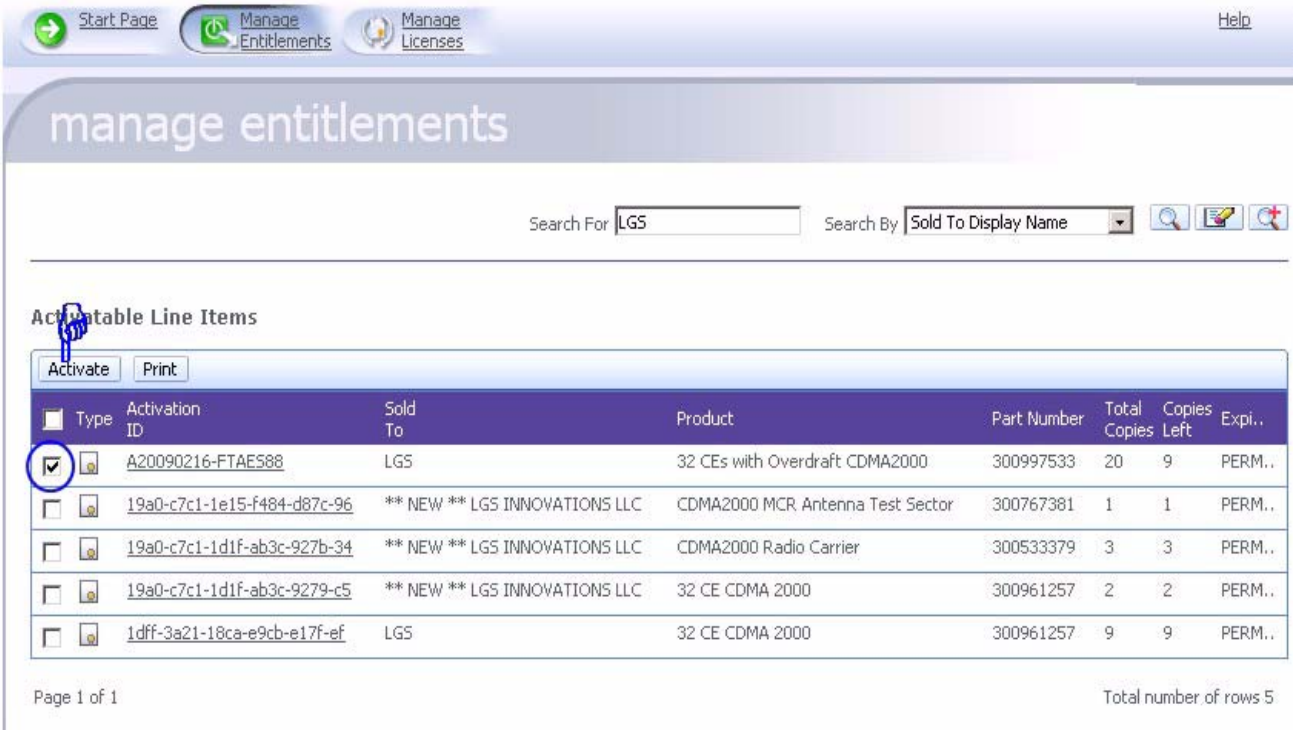
## CDMA License Key Fulfillment selection

Use the following steps to select a product for fulfillment.

**Note:** The CDMA customer code license is required at Release 31 and needs to be installed prior to any other CDMA licenses.

1 In order to fulfill an entitlement, you must first choose the product for which you would like to fulfill. To do this, "check mark" the product you wish to fulfill.

For this example, we will be fulfilling the 32 CE CDMA 2000..


Start Page
Manage Entitlements
Manage Licenses
Help
manage entitlements
Search For LGS
Search By Sold To Display Name
Activatable Line Items
Activate
Print
Type
Activation ID
Sold To
Product
Part Number
Total Copies
Copies Left
Expi..
A20090216-FTAES88 LGS 32 CEs with Overdraft CDMA2000 300997533 20 9 PERM..
19a0-c7c1-1e15-f484-d87c-96 ** NEW ** LGS INNOVATIONS LLC CDMA2000 MCR Antenna Test Sector 300767381 1 1 PERM..
19a0-c7c1-1d1f-ab3c-927b-34 ** NEW ** LGS INNOVATIONS LLC CDMA2000 Radio Carrier 300533379 3 3 PERM..
19a0-c7c1-1d1f-ab3c-9279-c5 ** NEW ** LGS INNOVATIONS LLC 32 CE CDMA 2000 300961257 2 2 PERM..
1dff-3a21-18ca-e9cb-e17f-ef LGS 32 CE CDMA 2000 300961257 9 9 PERM..
Page 1 of 1
Total number of rows 5

2 After you "check mark" the 32 CE CDMA 2000 line item, click **Activate**.

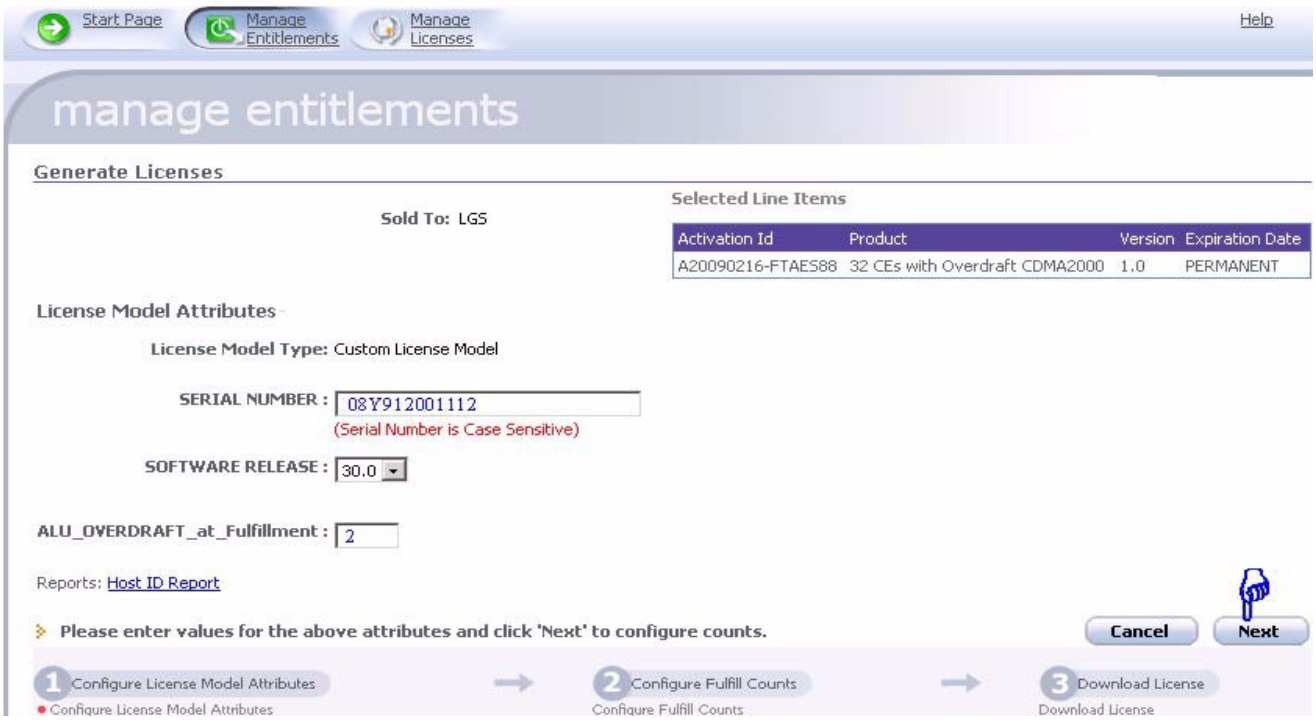
**Result:** In the example, we have activated “32 CEs with Overdraft CDMA2000” for LGS.

END OF STEPS

# Entering the serial number

Once you click the **Activate** button, you then need to designate the serial number for which the license key is to be fulfilled. Perform the following steps.

1 Enter the desired serial number in the **Serial Number** box.




2 If an overdraft quantity is allowed then it must be specified next. If overdraft is not allowed, you will not be prompted to specify it.

3 After any overdraft is specified click the **Next** button on the lower right corner of the screen.

**Note:** This page includes a link to the "Host ID Report", which may be useful in determining needed data entry. Refer to "Host ID Report" (p. 5-3).

END OF STEPS

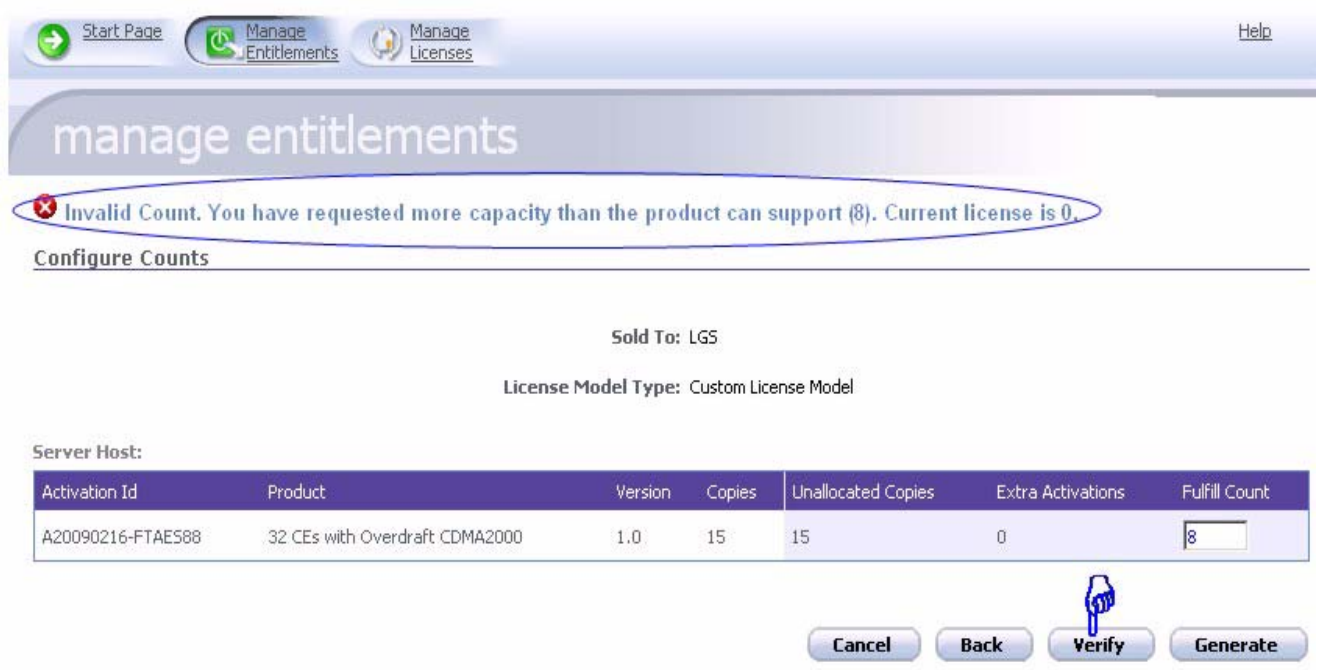
# Entering fulfillment quantity

You will now need to determine the quantity that you wish to fulfill. Perform the following steps.

1 Enter a number from 1 to 8 in the **Fulfill Count** box. For this example, a quantity of 7 is used. Remember, for 32 CE CDMA 2000, if you are fulfilling for a CMUV product, a quantity of 8 channel elements (CEs) is the maximum per serial number including any overdraft. If you are fulfilling for a CMUIVB or CMUIVC, the maximum quantity per serial number is 4 CEs.

**Note:** An error will appear if you go over this maximum quantity, and this error will include the existing quantity of any previous fulfillments against that serial number.

You can check to see if the quantity entered is valid prior to attempting to generate a license key by first clicking on the **Verify** button.



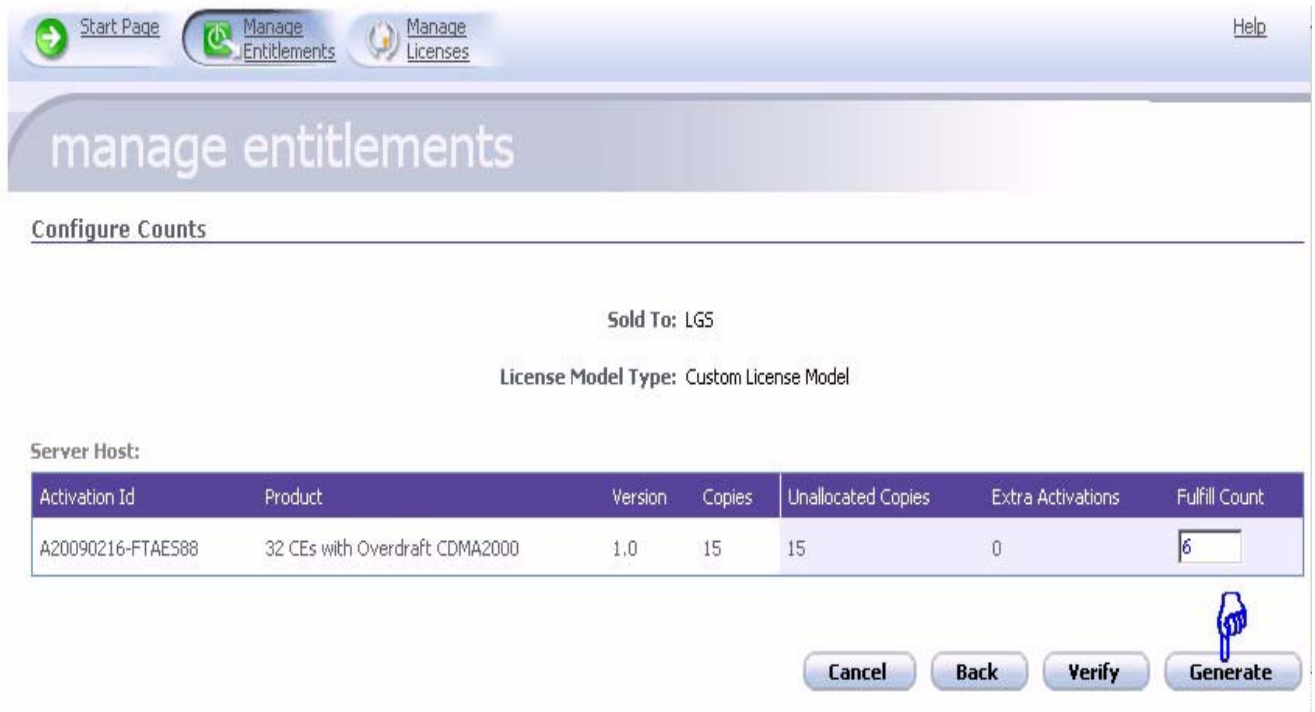

By designating an overdraft quantity of 2, this leaves a quantity up to 6 to be fulfilled against this serial number. To successfully generate a license key, the Fulfill Count entered needs to be from 1 to 6.

END OF STEPS

# License key generation

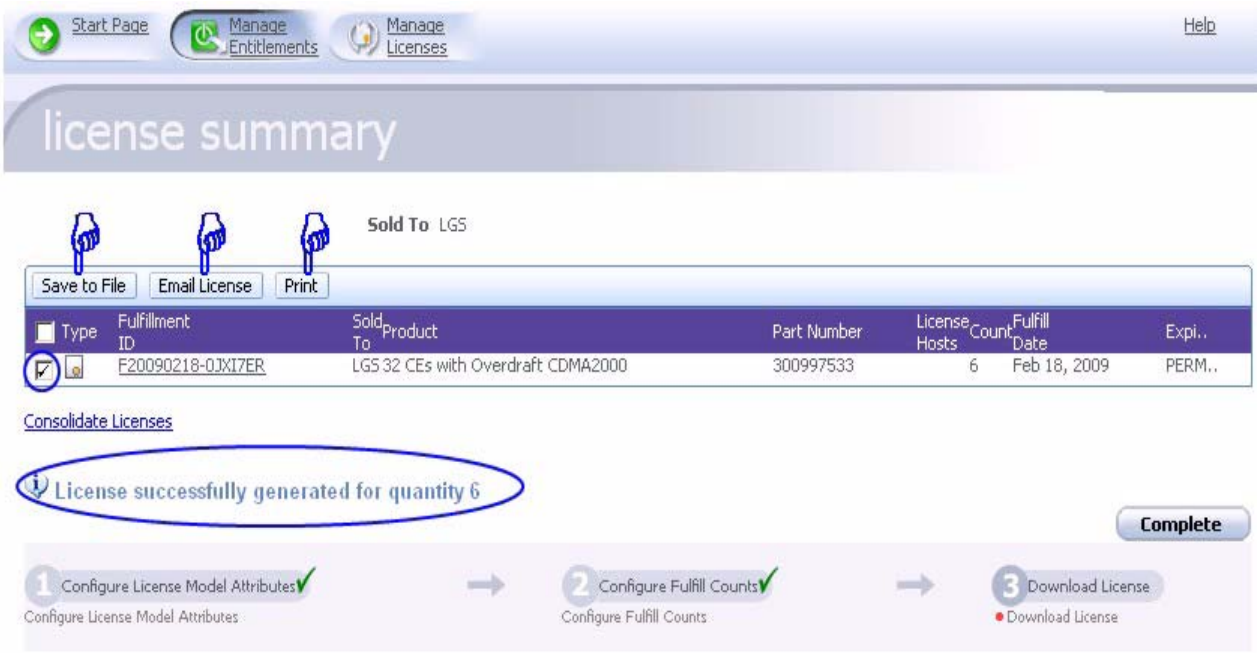
Perform the following steps to generate a license key.

1 Using the previous example, enter a **Fulfill Count** of 6.




2 Click on the **Generate** button.

**Result:** The license key was successfully generated.




3 At this point, you have the option of saving, emailing, or printing the license key file.

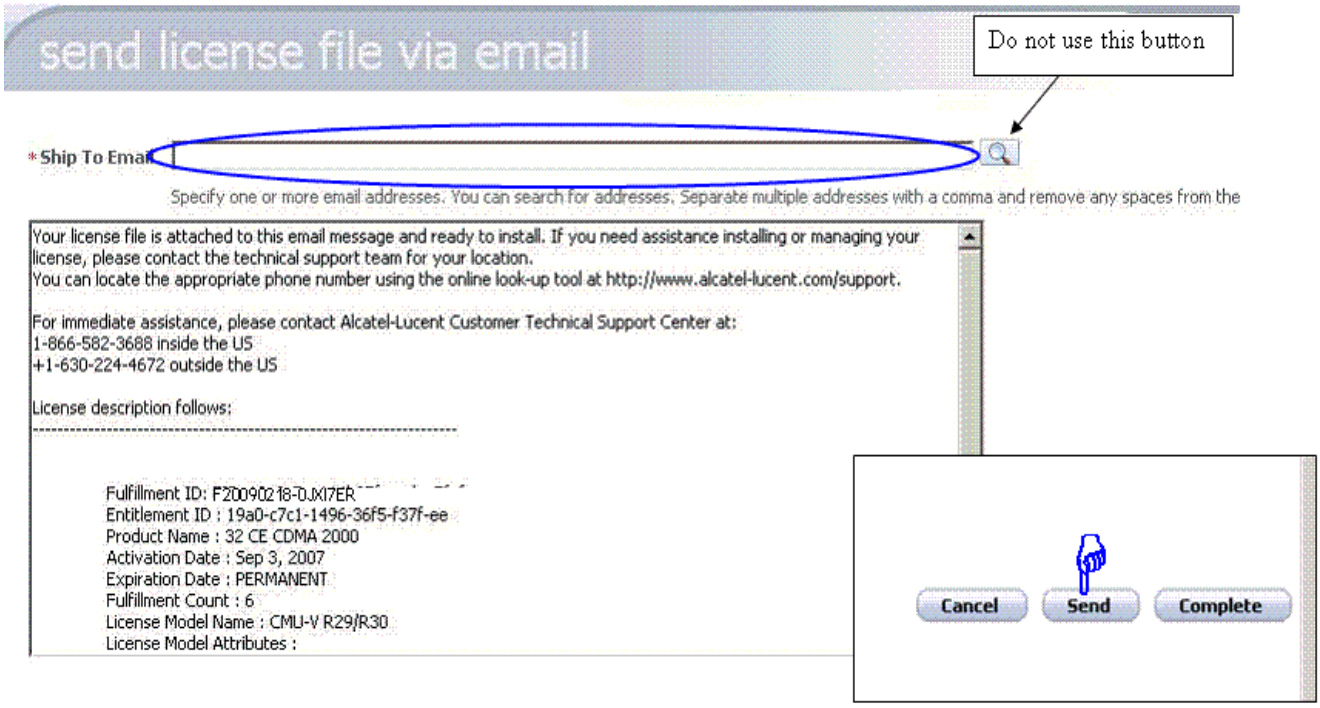
END OF STEPS

# Saving, emailing, or printing the license key file

Perform the following steps.

1 The **Save to File** and **Print** options bring up standard Windows save and print prompts.

2 If you wish to email a license file, check mark the file you wish to send, and click the **Email License** box. Manually type in the full email address. Do NOT use the search option.


send license file via email
Do not use this button
* Ship To Emai
Specify one or more email addresses. You can search for addresses. Separate multiple addresses with a comma and remove any spaces from the
Your license file is attached to this email message and ready to install. If you need assistance installing or managing your license, please contact the technical support team for your location.
You can locate the appropriate phone number using the online look-up tool at http://www.alcatel-lucent.com/support.
For immediate assistance, please contact Alcatel-Lucent Customer Technical Support Center at:
1-866-582-3688 inside the US
+1-630-224-4672 outside the US
License description follows:
Fulfillment ID: F20090218-0JXI7ER
Entitlement ID : 19a0-c7c1-1496-36f5-f37f-ee
Product Name : 32 CE CDMA 2000
Activation Date : Sep 3, 2007
Expiration Date : PERMANENT
Fulfillment Count : 6
License Model Name : CMU-V R29/R30
License Model Attributes :
Cancel
Send
Complete

3 When entering multiple email addresses, separate with a comma, then click click **Send**.

END OF STEPS

# 3 EV-DO license key fulfillment

## Introduction

This chapter describes the Manage Entitlements page for EvDO license key entitlement. It is the main page you will want to use once you log into the License Key Management system. Think of this page as an inventory of your license key entitlements. Information is available that includes the products and quantities available for fulfillment. This information is imported into LKDI from the purchase order.

**Note:** This is very similar to the fulfillment of the 32 CE CDMA 2000. However, different information will need to be entered during the fulfillment process.

### Chapter Contents

This chapter covers the topics that are listed in Table 3-1.

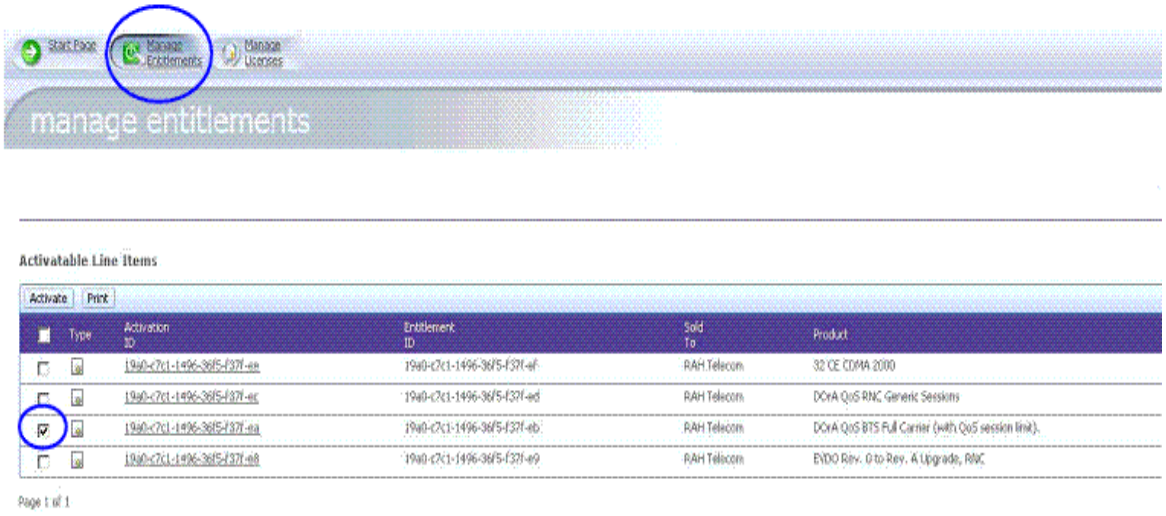
**Table 3-1 Topics List**


| Topic | See page |
|---|---|
| EvDO License Key Fulfillment selection | 3-1 |
| Entering required fulfillment information | 3-3 |
| Entering fulfillment quantity | 3-4 |
| License key generation | 3-5 |
| Saving, emailing, or printing the license key file | 3-5 |


## EvDO License Key Fulfillment selection

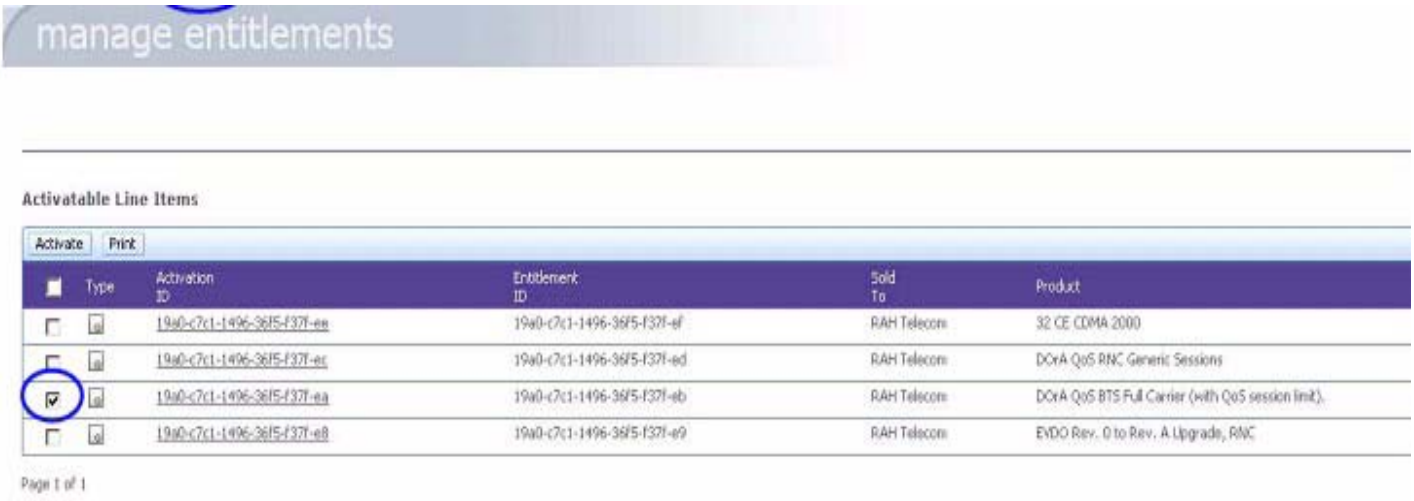
Use the following steps to select a product for fulfillment.

1 If necessary, return to the "Manage Entitlements" screen. To do this, click on the “Manage Entitlements” button on the top of the screen.




2 To fulfill an entitlement, you must first choose the product for which you would like to fulfill. To do this, click on the box to the left of the product you wish to fulfill. This will place a “check mark” in the box to show it has been selected. For example, the product “DOrA QoS BTS Full Carrier (with QoS session limit)” has been selected.

**Result:** The following is displayed. Note that this display has been customized for “RAH Telcom”.



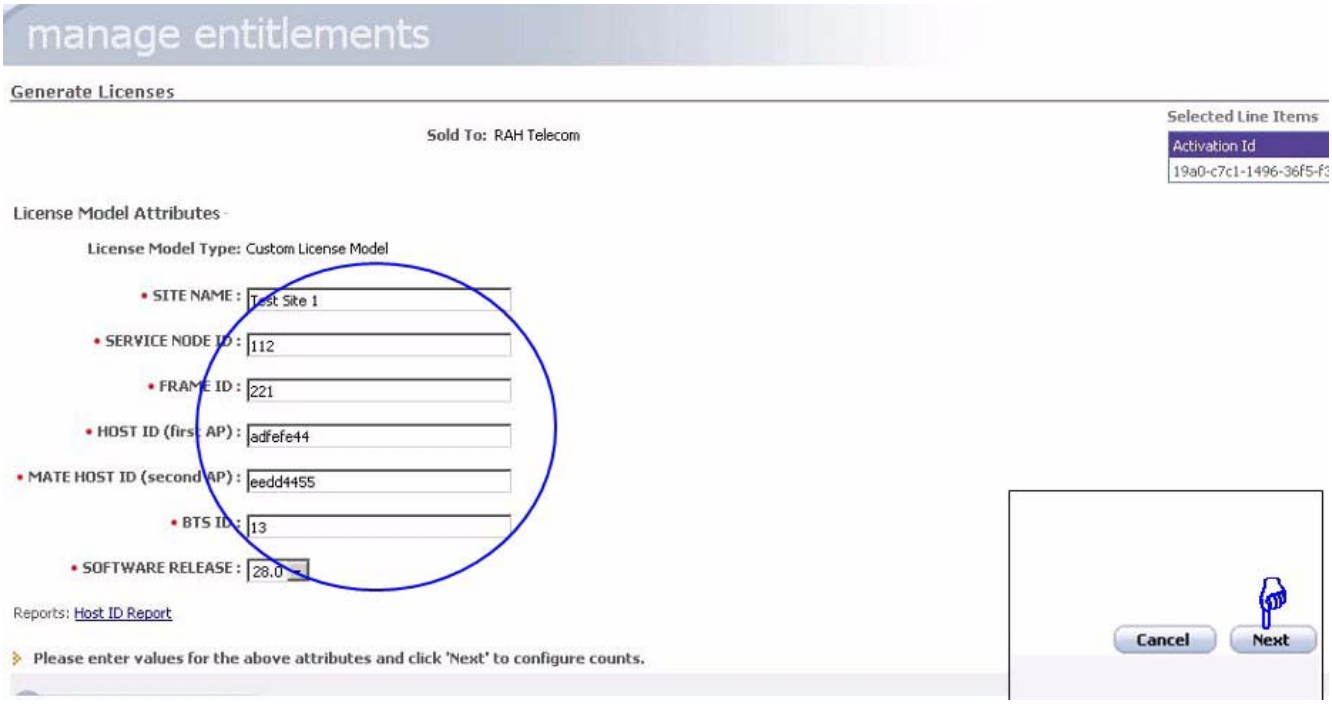
3 After the product has been selected, click the **Activate** button.

**Result:** In the example, we have activated “DOrA QoS BTS Full Carrier (with QoS session limit)” for RAH Telcom.

END OF STEPS

# Entering required fulfillment information

1 Once you click the **activate** button, you then need to enter the appropriate attribute information for fulfilling the license entitlement. Also, you will need to select a "software release". Refer to procedures in the OMP OA&M document, 401-662-108 for information on how to locate and extract attribute information.


manage entitlements
Generate Licenses
Sold To: RAH Telecom
Selected Line Items
Activation Id
License Model Attributes
License Model Type: Custom License Model
• SITE NAME : Test Site 1
• SERVICE NODE ID : 112
• FRAME ID : 221
• HOST ID (first AP) : adfefe44
• MATE HOST ID (second AP) : eedd4455
• BTS ID : 13
• SOFTWARE RELEASE : 28.0
Reports: Host ID Report
Please enter values for the above attributes and click 'Next' to configure counts.
Cancel
Next

**Note:** This page includes a link to the "Host ID Report", which may be useful in determining needed data entry.

2 Once you have entered all of the appropriate data, click the **Next** button on the lower right of the screen.

END OF STEPS

# Entering fulfillment quantity

You will now need to determine the quantity that you wish to fulfill. Perform the following steps.

1 Enter a number in the **Fulfill Count** box. For this example, a quantity of 17 is used.

**Note:** An error will appear if you go over this maximum quantity, and this error will include the existing quantity of any previous fulfillments against that host ID.

2 To ensure that you have entered all of the information correctly, and that a valid license key will be generated, you can first click on the **verify** button.

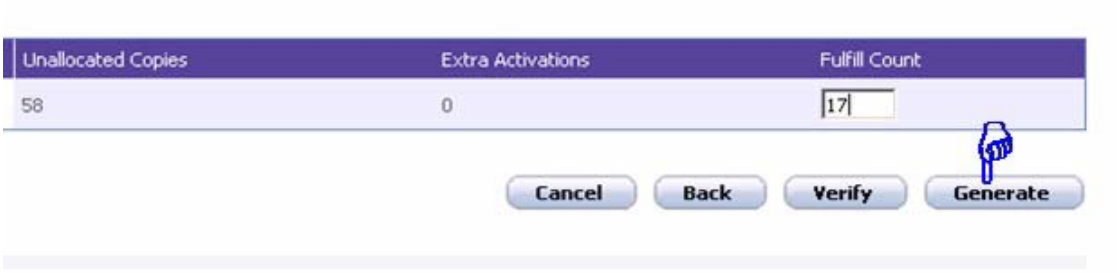
The following message should appear in the upper left side of the screen. If this message does not appear, an error message will appear describing what information was entered incorrectly.

END OF STEPS

# License key generation

Perform the following steps to generate a license key.

1 Click on the **Generate** button.




**Result:** The license key was successfully generated.

2 At this point, you have the option of saving, emailing, or printing the license key file.

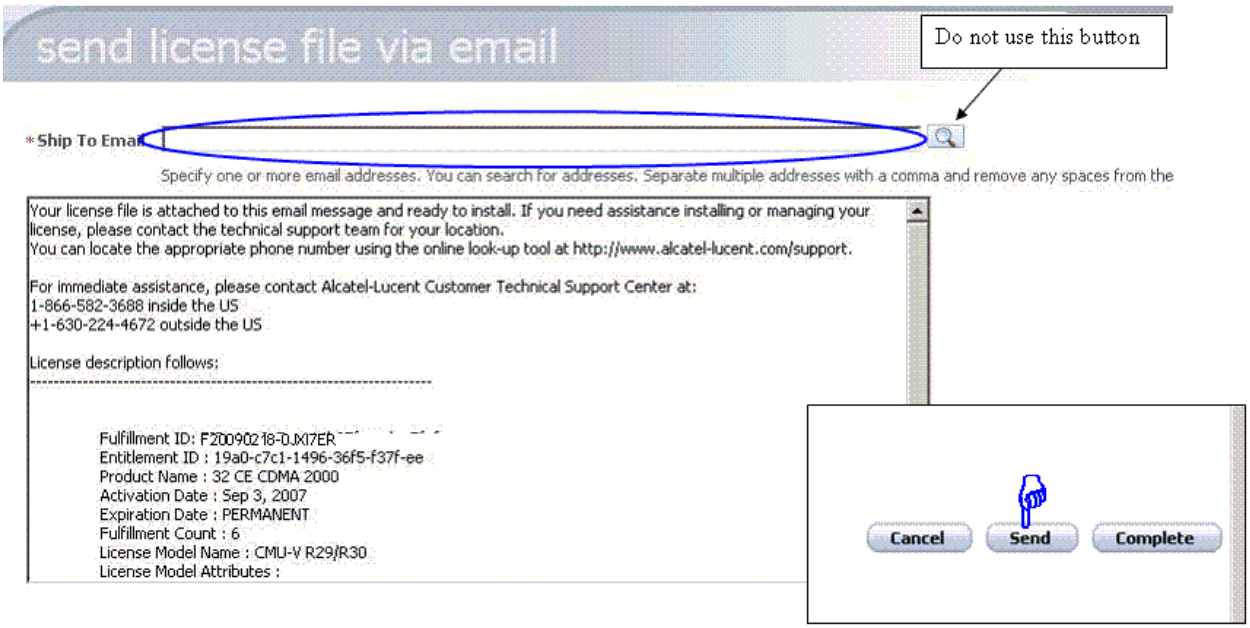
END OF STEPS

# Saving, emailing, or printing the license key file

Perform the following steps.

1 The **Save to File** and **Print** options bring up standard Windows save and print prompts.

2 If you wish to email a license file, check mark the file you wish to send, and click the **Email License** box. Manually type in an email address. Do NOT use the "look-up" option.


send license file via email
Do not use this button
*Ship To Email
Specify one or more email addresses. You can search for addresses. Separate multiple addresses with a comma and remove any spaces from the
Your license file is attached to this email message and ready to install. If you need assistance installing or managing your license, please contact the technical support team for your location.
You can locate the appropriate phone number using the online look-up tool at http://www.alcatel-lucent.com/support.
For immediate assistance, please contact Alcatel-Lucent Customer Technical Support Center at:
1-866-582-3688 inside the US
+1-630-224-4672 outside the US
License description follows:
Fulfillment ID: F20090218-0JXI7ER
Entitlement ID : 19a0-c7c1-1496-36f5-f37f-ee
Product Name : 32 CE CDMA 2000
Activation Date : Sep 3, 2007
Expiration Date : PERMANENT
Fulfillment Count : 6
License Model Name : CMU-V R29/R30
License Model Attributes :
Cancel
Send
Complete

3 When entering multiple email addresses, separate with a comma, then click **Send**.

END OF STEPS

# 4 Manage license keys

## Introduction

This chapter describes how to review the license fulfillment activities that you have previously performed. You may use this to retrieve a lost license file or to review the license file for attribute information.

The Manage License Keys screen is a supplement to the reports functionality of the License Key Management system. Chapter 5, “Reports” are recommended to perform advance search activities.

### Chapter Contents

This chapter covers the topics that are listed in Table 4-1.

**Table 4-1 Topics List**


| Topic | See page |
|---|---|
| Managing license keys | 4-1 |


## Managing license keys

Perform the following steps.

1 At the top of the Operations Portal Start page, click on the **Manage licenses** icon.

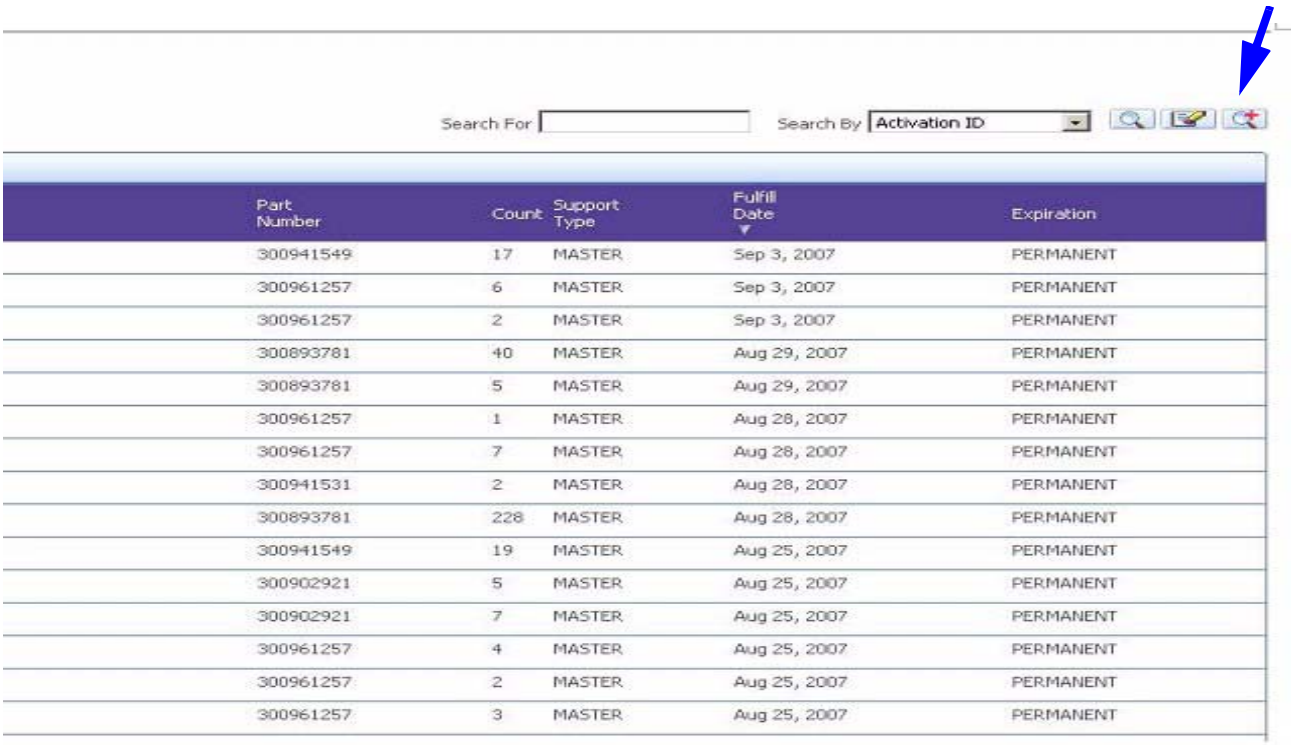
2 The following is displayed (screen is shown split in half to show all columns). You can use the **Search For** box to enter a string and **Search By** drop-down list (Fulfillment ID, Activation ID, Product, and Fulfill Date) to customize this list.

manage licenses

Save to File | Email License | Print

| Type | Fulfillmen.. | Activation ID | Product |
|---|---|---|---|
| | FID_19a0c7.. | 19a0-c7c1-1496-36.. | DOrA QoS BTS Full Carrier (with QoS session limit). |
| | FID_19a0c7.. | 19a0-c7c1-1496-36.. | 32 CE CDMA 2000 |
| | FID_19a0c7.. | 19a0-c7c1-1496-36.. | 32 CE CDMA 2000 |
| | FID_19a0c7.. | 19a0-c7c1-1494-34.. | EVDO Rev. 0 to Rev. A Upgrade, RNC |
| | FID_19a0c7.. | 19a0-c7c1-1493-54.. | EVDO Rev. 0 to Rev. A Upgrade, RNC |
| | FID_1dff3a.. | 19a0-c7c1-1423-4a.. | 32 CE CDMA 2000 |
| | FID_1dff3a.. | 19a0-c7c1-1423-4a.. | 32 CE CDMA 2000 |
| | FID_1dff3a.. | 19a0-c7c1-1429-fe.. | DOrA QoS BTS Full Carrier (no QoS session limit) |
| | ALU_FID_14.. | 19a0-c7c1-14b2-7f.. | EVDO Rev. 0 to Rev. A Upgrade, RNC |
| | FID_1dff3a.. | 19a0-c7c1-1496-36.. | DOrA QoS BTS Full Carrier (with QoS session limit). |
| | FID_1dff3a.. | 19a0-c7c1-1496-36.. | DOrA QoS RNC Generic Sessions |
| | FID_1dff3a.. | 19a0-c7c1-1496-36.. | DOrA QoS RNC Generic Sessions |
| | FID_1dff3a.. | 19a0-c7c1-1496-36.. | 32 CE CDMA 2000 |
| | FID_1dff3a.. | 19a0-c7c1-1496-36.. | 32 CE CDMA 2000 |
| | FID_1dff3a.. | 19a0-c7c1-1496-36.. | 32 CE CDMA 2000 |

There is also an advanced search (magnifying glass icon indicated by the blue arrow in the following figure) to enter multiple filters and to also use search filters such as "starts with", "contains" and " ends with" to help search for parts of descriptions, part numbers, etc.




| Part Number | Count | Support Type | Fulfill Date | Expiration |
|---|---|---|---|---|
| 300941549 | 17 | MASTER | Sep 3, 2007 | PERMANENT |
| 300961257 | 6 | MASTER | Sep 3, 2007 | PERMANENT |
| 300961257 | 2 | MASTER | Sep 3, 2007 | PERMANENT |
| 300893781 | 40 | MASTER | Aug 29, 2007 | PERMANENT |
| 300893781 | 5 | MASTER | Aug 29, 2007 | PERMANENT |
| 300961257 | 1 | MASTER | Aug 28, 2007 | PERMANENT |
| 300961257 | 7 | MASTER | Aug 28, 2007 | PERMANENT |
| 300941531 | 2 | MASTER | Aug 28, 2007 | PERMANENT |
| 300893781 | 228 | MASTER | Aug 28, 2007 | PERMANENT |
| 300941549 | 19 | MASTER | Aug 25, 2007 | PERMANENT |
| 300902921 | 5 | MASTER | Aug 25, 2007 | PERMANENT |
| 300902921 | 7 | MASTER | Aug 25, 2007 | PERMANENT |
| 300961257 | 4 | MASTER | Aug 25, 2007 | PERMANENT |
| 300961257 | 2 | MASTER | Aug 25, 2007 | PERMANENT |
| 300961257 | 3 | MASTER | Aug 25, 2007 | PERMANENT |

**END OF STEPS**

# 5 Reports

## Introduction

This chapter provides information regarding the access and use of the Host ID report, License Consolidation report, and the Order History report.

### Contents

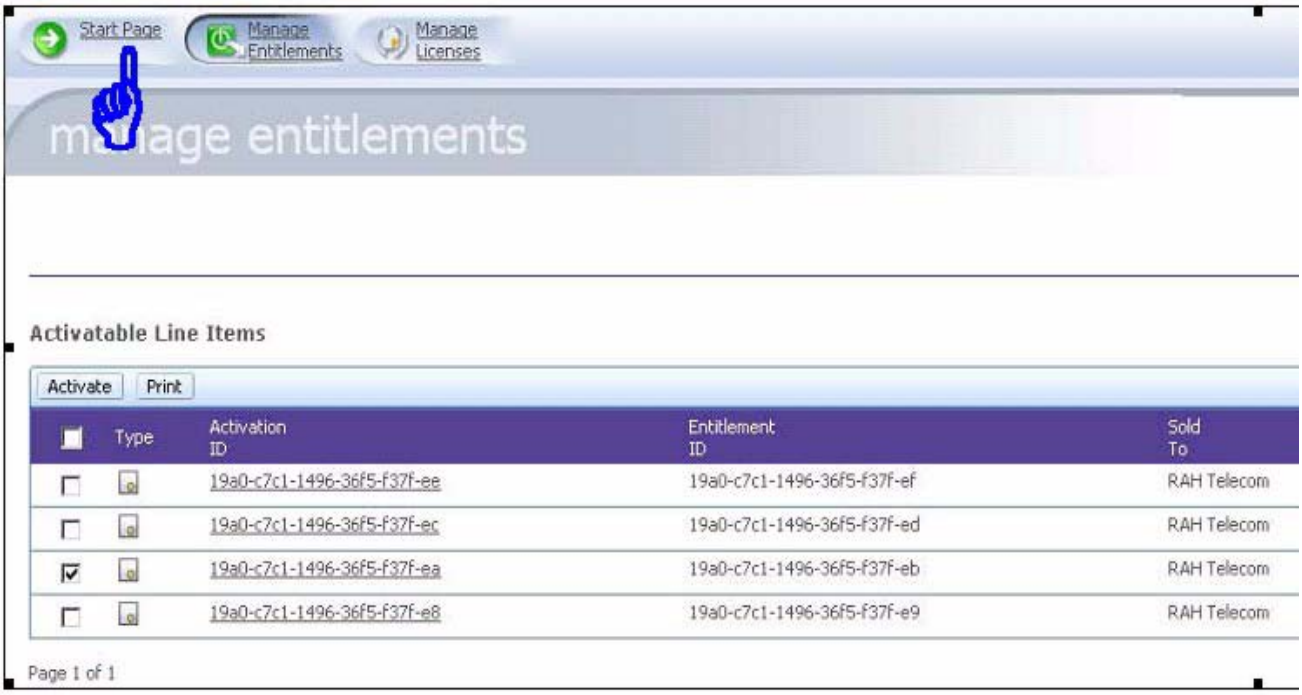
This chapter covers the topics that are listed in Table 5-1.

**Table 5-1 Topics in Chapter 5**


| Topic | See Page |
|---|---|
| Accessing the reports | 5-2 |
| Host ID Report | 5-3 |
| License Consolidation Report | 5-5 |
| Order History Report | 5-7 |

# Accessing the reports

1 To access the reports, click on the **Start Page** link at the upper lefthand corner (see the following graphic).




2 Then click on the **Reports** link (see the following graphic).

**Result:** The following screen will appear.:

3 From this screen, you can access the "Host ID Report", the "License Consolidation Report", and the "Order History Report”.

4 To move from one report type to another, click on the **FNO Reports** icon at the top of the report page.

**Result:** The report menu shown in Step 2 will be displayed for you to make a new selection.

END OF STEPS

# Host ID Report

The Host ID Report allows you to search by a variety of criteria and provides information on:

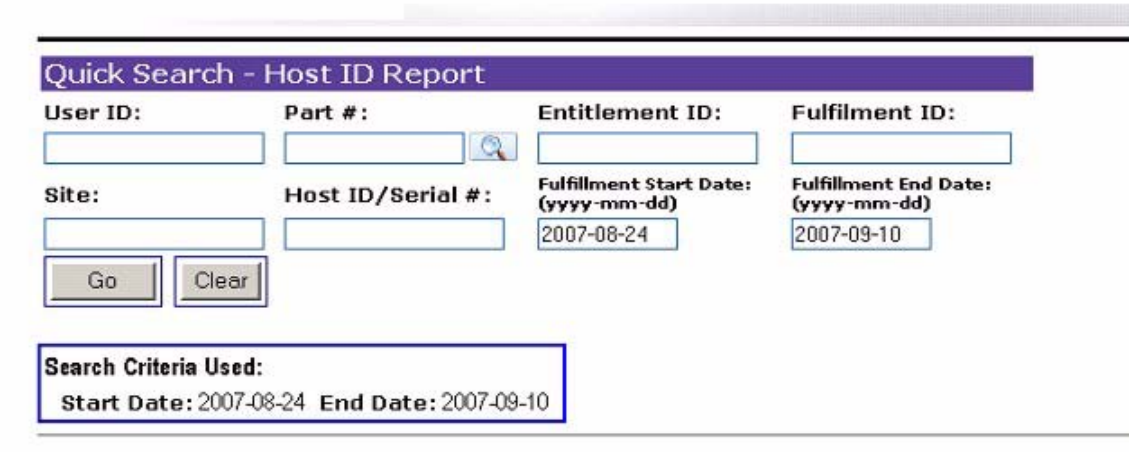
- Remaining entitlement quantities sorted by part number

- Fulfillment details sorted by part number.
- To find a site name or any other attribute used for a previous fulfillment.
- Listed are some suggested searches:
  - Search on the host ID, service node ID or serial number to find a previously used site name
  - Search on a specific site name to get a list of all licenses fulfilled in LKDI for that site
  - Search on the sold to ID (if regionalized) and part number to see where in your network a particular license product is installed
  - To execute a date range search, leaving the fulfillment end date blank will search from the specified start date through the current date.

In the following steps, a Host ID report will be created based on a specific Fulfillment Start Date, Fulfillment End Date range.

1 From the FNO Reports screen, select **Host ID**.

**Result:** The following is displayed:

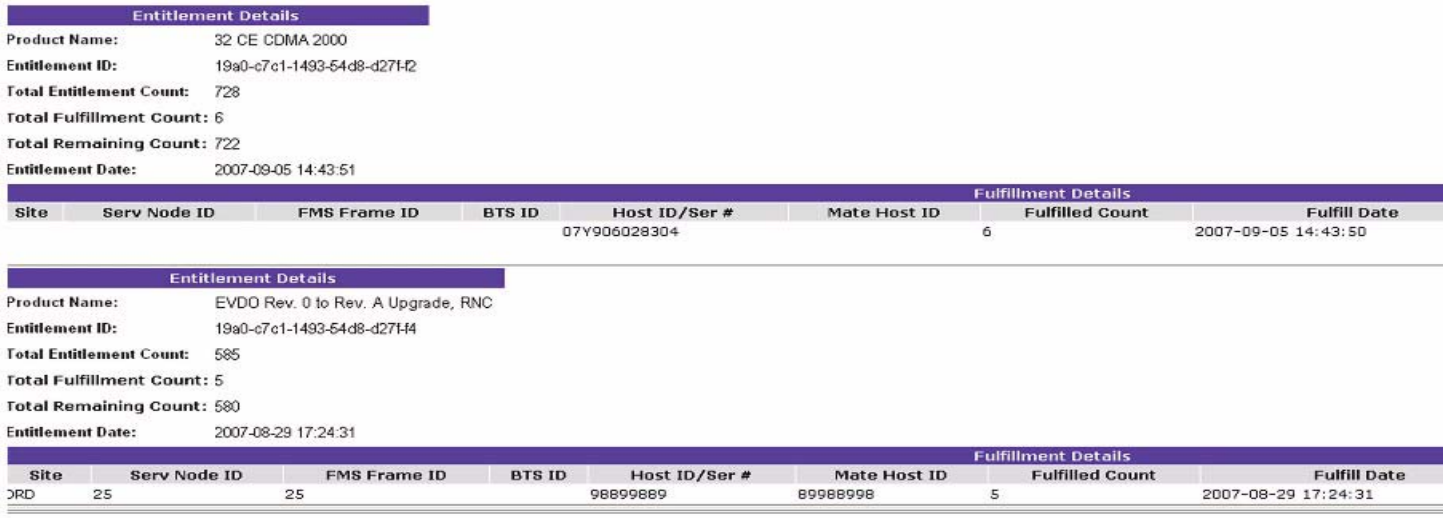



2 Within the Fulfillment Start Date field and Fulfillment End Date field, enter the range that the report should cover.

| | | |
|---|---|---|
| **Where:** | yyyy = | 4-digit year (example: 2009) |
| | mm = | 2-digit month (example: 08) |
| | dd = | 2-digit day of the month (example: 24) |

3 Select **Go**.

**Result:** The Host ID Report will be created. Notice the information this report provides in regard to entitlement availability and fulfillment details.



Entitlement Details

Product Name: 32 CE CDMA 2000
Entitlement ID: 19a0-c7c1-1493-54d8-d27f-f2
Total Entitlement Count: 728
Total Fulfillment Count: 6
Total Remaining Count: 722
Entitlement Date: 2007-09-05 14:43:51

Fulfillment Details

| Site | Serv Node ID | FMS Frame ID | BTS ID | Host ID/Ser # | Mate Host ID | Fulfilled Count | Fulfill Date |
|---|---|---|---|---|---|---|---|
| | | | | 07Y906028304 | | 6 | 2007-09-05 14:43:50 |

Entitlement Details

Product Name: EVDO Rev. 0 to Rev. A Upgrade, RNC
Entitlement ID: 19a0-c7c1-1493-54d8-d27f-f4
Total Entitlement Count: 585
Total Fulfillment Count: 5
Total Remaining Count: 580
Entitlement Date: 2007-08-29 17:24:31

Fulfillment Details

| Site | Serv Node ID | FMS Frame ID | BTS ID | Host ID/Ser # | Mate Host ID | Fulfilled Count | Fulfill Date |
|---|---|---|---|---|---|---|---|
| ORD | 25 | 25 | | 98899889 | 89988998 | 5 | 2007-08-29 17:24:31 |

This report lists each entitlement separately, with the entitlement counts (that is, total, fulfilled, and remaining), followed by the number of fulfillments made between the dates specified in the report creation for each Host ID.

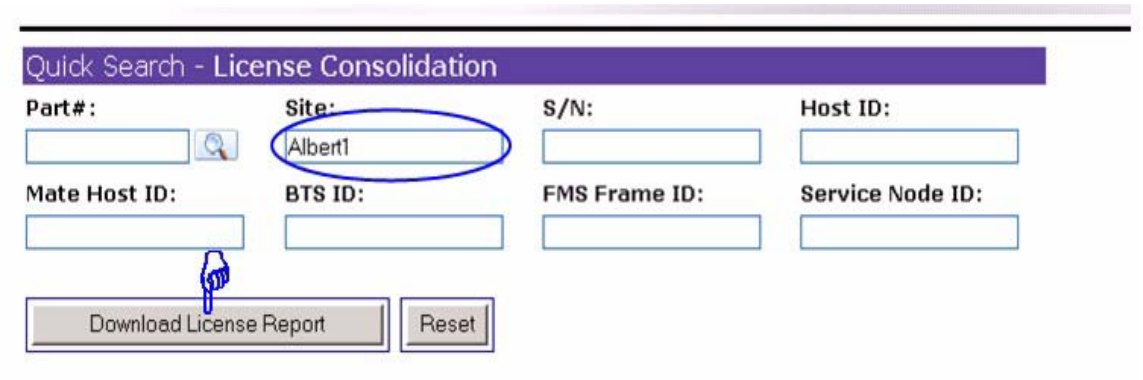
END OF STEPS

# License Consolidation Report

The License Consolidation Report allows you to create a file for more than one license key. You are given several parameters from which to customize the report.

1 Refer to "Accessing the reports" (p. 5-2) to access the License Consolidation Report form.

**Result:** The following is displayed:



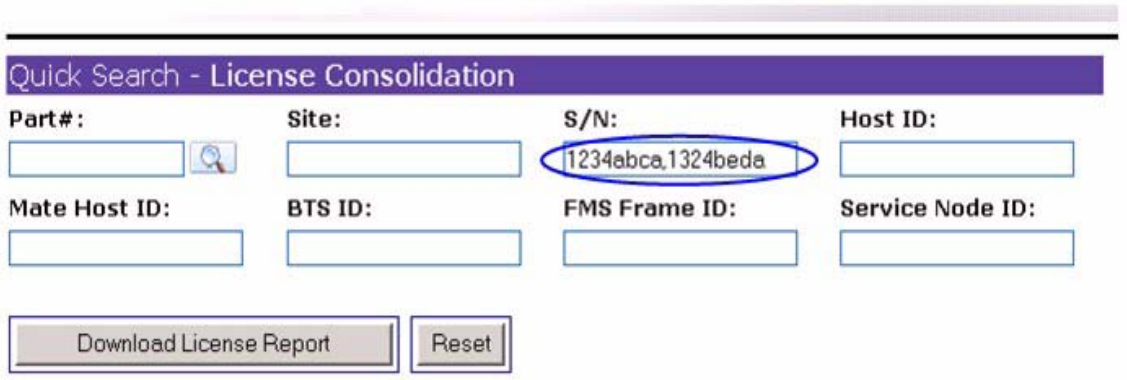

2 Designate the parameters you wish to use to build the consolidate license file.

**Example 1:**

In Step 1, only the site is filled in. This will build a file for all licenses for the site "Albert1".

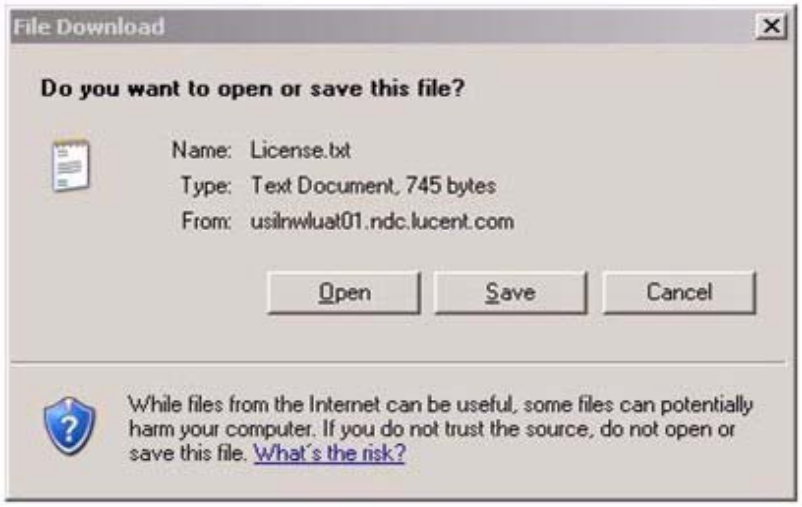
**Example 2:**

To produce a consolidated license key file via serial numbers, enter the serial numbers you wish to use in the "S/N" box and separate each serial number by a comma (no spaces). Refer to the following graphic.




3 When finished entering the build parameters, select **Download License Report**.

**Result:** The following is displayed.


File Download
Do you want to open or save this file?
Name: License.txt
Type: Text Document, 745 bytes
From: usilnwluat01.ndc.lucent.com
Open
Save
Cancel
While files from the Internet can be useful, some files can potentially harm your computer. If you do not trust the source, do not open or save this file. What's the risk?

This allows you to "save" or "open" the consolidate license key file.

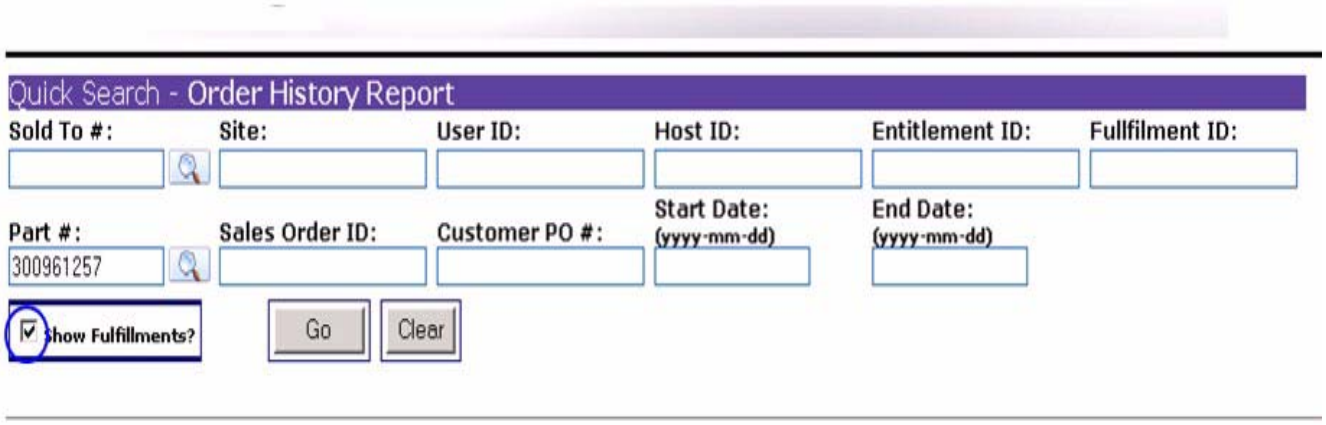
END OF STEPS

# Order History Report

The Order History Report allows you to view the purchase order history for your license key entitlements. You are given several parameters from which to customize the report, and if you select "Show Fulfillments" you will be shown the fulfillment history against the respective purchase orders.

1 Refer to “Accessing the reports” (p. 5-2) to access the Order History Report form.

**Result:** The following is displayed.




2 Designate the parameters you wish to use to build the order history file. In this example, we will build a report for part # 300961257 (32 CE CDMA 2000).

3 When finished entering the build parameters, select **Go**.

**Result:** This report shows the details for all purchase orders to date for part number 30096157 (32 CE CDMA 2000), as well as the current fulfillments.

**Entitlement Details**

**Product Name:** 32 CE CDMA 2000

**Entitlement ID:** 19a0-c7c1-1493-54d8-d27f-f2

**Total Entitlement Count:** 728

**Total Fulfillment Count:** 6

**Total Remaining Count:** 722

**Entitlement Date:** 2007-09-05 14:43:51

**Sales Order Details**

| Sales Order ID | Customer PO | Qty | Date |
|---|---|---|---|
| 12272627 | 4543014306 | 56 | 2007-08-23 13:07:56 |
| 12272627 | 4543014306 | 56 | 2007-08-23 13:08:03 |
| 12272627 | 4543014306 | 56 | 2007-08-23 13:08:11 |
| 12272627 | 4543014306 | 56 | 2007-08-23 13:08:17 |
| 12272627 | 4543014306 | 56 | 2007-08-23 13:08:24 |
| 12272627 | 4543014306 | 56 | 2007-08-23 13:13:22 |
| 12272627 | 4543014306 | 56 | 2007-08-23 13:13:29 |
| 12272627 | 4543014306 | 56 | 2007-08-23 13:13:36 |
| 12272627 | 4543014306 | 56 | 2007-08-23 13:13:44 |
| 12272627 | 4543014306 | 56 | 2007-08-23 13:14:10 |
| 12272627 | 4543014306 | 56 | 2007-08-23 13:16:35 |
| 12272627 | 4543014306 | 56 | 2007-08-23 16:27:37 |
| 12272627 | 4543014306 | 56 | 2007-08-24 01:33:15 |

**Fulfillment Details**

| Site | Serv Node ID | FMS Frame ID | BTS ID | Host ID/Ser # | Mate Host ID | Fulfilled Count | Fulfill Date |
|---|---|---|---|---|---|---|---|
| | | | | 07Y906028304 | | 6 | 2007-09-05 14:43:50 |

END OF STEPS

# 6 Returns, Rehosting, and Bulk Processing

## Introduction

This chapter provides information on Returns, Rehosting, and Bulk Processing.

### Contents

This chapter covers the topics that are listed in Table 6-1.

**Table 6-1 Topics**


| Topic | See Page |
|---|---|
| Consolidated license file for large deployments | 6-1 |
| Reconfiguration or Bulk Loading Process | 6-2 |
| Returns and Rehosting Process | 6-3 |


## Consolidated license file for large deployments

License products with the same installation procedures can be consolidated into one file.

1 Customer places order and requests support for bulk licensing.

2 Alcatel-Lucent pulls shipment history from WES, converts to a template, and forwards to CIC.

3 CIC returns a consolidated license file to the requestor.

4 Customer installs license file.

END OF STEPS

# Reconfiguration or Bulk Loading Process

License Products that can be bulk loaded:

- CDMA
  - CMUIVB
  - CMUV.
- EVDO
  - BTS
  - RNC
  - QoS.

1 The requester must do the following:

   a. Port the host ID and current quantity from **`op:license`** output into a spreadsheet.
   b. Add the desired quantity.
   c. Forward to CICFAFReq@alcatel-lucent.com.

2 CIC returns a consolidated license file to the requester.

3 The customer must install the license file.

4 In Release 30 and later, the customer returns the token file for any reduced licenses.

**Note:** Until Release 30, reconfiguration requests must be between units supported by the same OMP.

END OF STEPS

# Returns and Rehosting Process

### Returns

If a license was fulfilled in error it may be returned to LKDI to have the quantity added back into the entitlement pool. The user can then return to LKDI and generate the correct license.

- Please send the following information to CICFAFReq@alcatel-lucent.com which can be gotten from the LKDI Manage Licenses screen from the line for the incorrect license:
  - Fulfillment ID, if available
  - License name (product) and orderable item number (part number)
  - For EVDO licenses: Host ID (first AP) For MSC configuration licenses: service node ID For CMU licenses: serial number
  - Quantity to be returned.
- For failed circuit packs returned through eSpares (as known as RS&R or Advanced Exchange), the licenses will be automatically credited back to your entitlement pool.

### Rehosting

If you want to move a CDMA license from one MSC to another to rebalance capacity, or if a CPU upgrade is needed, you will follow the return process above sending to CICFAFReq@alcatel-lucent.com and then generate a new EVDO license.

# A Browser settings and common error messages

## Introduction

This appendix provides information regarding the following:

- Adjusting browser internet option settings in response to socket errors.
- A list of common error messages and how to correct them.

### Appendix Contents

This appendix covers the topics that are listed in Table A-1.

**Table A-1 Topics List**


| Topic | See Page |
|---|---|
| Browser settings | A-2 |
| Common error messages | A-3 |

# Browser settings

## Overview

### Purpose

If socket errors are encountered, typically the browser internet options settings need to be adjusted.

**Important!** The main LKDI interface comes across port 8888. If a user's company blocks this port, they will not be able to get access. Port 8888 needs to be open.

### Adjust the browser settings

1. At the top of the browser screen, click on **Tools** to produce a drop-down menu. Click on **Internet Options**.

2. On the General tab, click on **Settings**. Make sure the "Every visit to the page" option is selected.

3. On the Connections tab, click on **LAN Settings**. Make sure the "Automatically detect settings" option is selected.

4. On the Advanced tab, scroll to the bottom and make sure the following options are selected:
   - Use SSL
   - Use TSL.

5. Clcik on **OK**.

6. Sometimes you will need to close the browser and reopen it for these changes to take effect. Other times you will need to restart the PC.

END OF STEPS

# Common error messages

## Overview

### Purpose

This section provides common error messages and how to respond to them.

### Example 1

For EVDO & QoS licenses, the following error message might be received:

```
Invalid Site [Lonestar], Service Node ID [125] and Frame ID [20] combination.
   A different Host ID/Mate Host ID is associated with this Site/Service Node
   ID/Frame ID combination. Please update this information or return
   previously generated Licenses to continue.
```

In case of this error message, once the combination of Site Name/Location, Service Node ID, Frame ID, Lead AP Host ID, and Mate AP Host ID are established, any slightly different input for future licenses will result in this error. Use the FNO Reports Host ID Report to determine the appropriate combination here. Pay special attention to blank spaces or lack thereof, as LKDI recognizes them as different entries and will produce an error. If the Host IDs have changed, contact *CICFAFReq@alcatel-lucent.com* to indicate a rehost has occurred and new licenses are needed. If the problem persists, also contact *CICFAFReq@alcatel-lucent.com* to resolve the issue.

### Example 2

Sometimes the license install log on the OMP shows LICENSE FORMAT ERROR as follows:

```
Feature 000200020010 30.0 permanent 900 Issue=31-07-2008 HostID=8444d4a6
Notice=Grace100;BTS313;HostID84474b3c
AuthMsg=958a6194017f038ed7ccc677b25381456a1da8608484e24c0a7649ef97802d402f23
   c92e
0e26bf680561a1c737559b1dc4401b8a2353669f586888335d3f852a2c856ac453cc0b3b83f0
   5081
fb6c339c50a3ff4b7f663a1b0097e3570b3a2c8a1ca631195ce573342aea0a63090b72b20011
   291f
7a226cab0b97ae088e109b7e 08/07/08 03:23:45 SUCCESS
AuthMsg= 08/07/08 03:23:45 LICENSE FORMAT ERROR
```

Note the SUCCESS message immediately followed by the LICENSE FORMAT ERROR. In these cases, your license file has an extra blank line in the license file, and the LICENSE FORMAT ERROR may be ignored.

If, however, the error looked like the following message, (notice no SUCCESS message like the previous message), then likely the Host IDs are misidentified. Please identify the correct Host IDs and regenerate the license keys. You will need to have *CICFAFReq@alcatel-lucent.com* assist you with this:

```
Feature 000200020010 30.0 permanent 900 Issue=31-07-2008 HostID=8444d4a6
Notice=Grace100;BTS313;HostID84474b3c
AuthMsg=958a6194017f038ed7ccc677b25381456a1da8608484e24c0a7649ef97802d402f23
   c92e
0e26bf680561a1c737559b1dc4401b8a2353669f586888335d3f852a2c856ac453cc0b3b83f0
   5081
fb6c339c50a3ff4b7f663a1b0097e3570b3a2c8a1ca631195ce573342aea0a63090b72b20011
   291f
7a226cab0b97ae088e109b7e 08/07/08 03:23:45 LICENSE FORMAT ERROR
```

### Unable to fulfill a license key and getting an error

If you require assistance because you are unable to fulfill a license key and getting an error, you can contact the following:

#### For Alcatel-Lucent Customers:

Please report all LKDI/FNO issues to the 24/7 OLCS help desk. They will forward the issue on to the appropriate group.

Inside the United States: 1 866-582-3688.  Prompt "7"

Outside the United States: +1 630-218-7688. Prompt "7"

olcshelp@alcatel-lucent.com

#### For Alcatel-Lucent Employees:

Between the hours of 8-5 Central Time (Mon-Fri), submit issues to *CICFAFREQ@alcatel-lucent.com*

Outside of those hours, submit issues to the ALU Global Help Desk: *GHD@alcatel-lucent.com* or call your local GHD number.

# B Additional fulfillment examples (CDMA and EvDO Products)

## Introduction

This appendix provides additional fulfillment examples for the CDMA and EvDO products.

### Appendix Contents

This appendix covers the topics that are listed in Table B-1.

**Table B-1 Topics List**


| Topic | See Page |
|---|---|
| CDMA single product license key fulfillment | B-1 |
| EvDO single product license key fulfillment | B-8 |

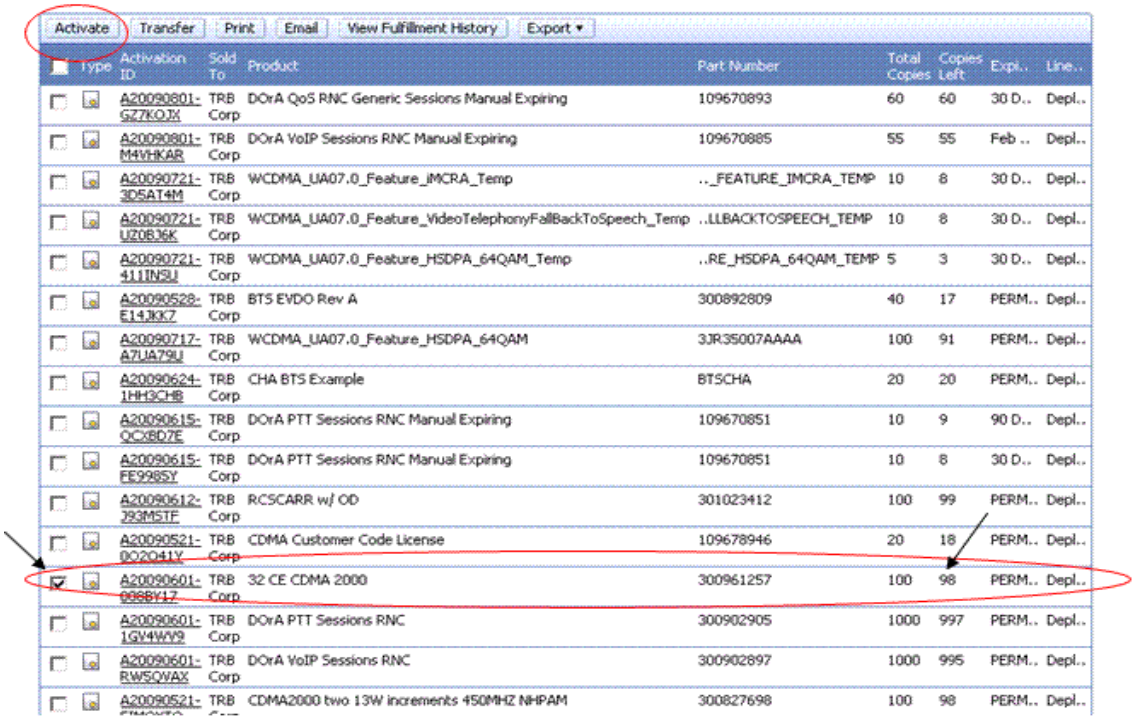

## CDMA single product license key fulfillment

### Example 1

The first example will show the fulfillment flow for the 32 CE CDMA 2000 license key.

When an LKDI user logs into the LDKI system, they are able to see a set of license key entitlements which are ready to be transformed into license keys. These are referred to as "Activatable Line Items" (see the following screen).

**Activatable Line Items**



Activate | Transfer | Print | Email | View Fulfillment History | Export

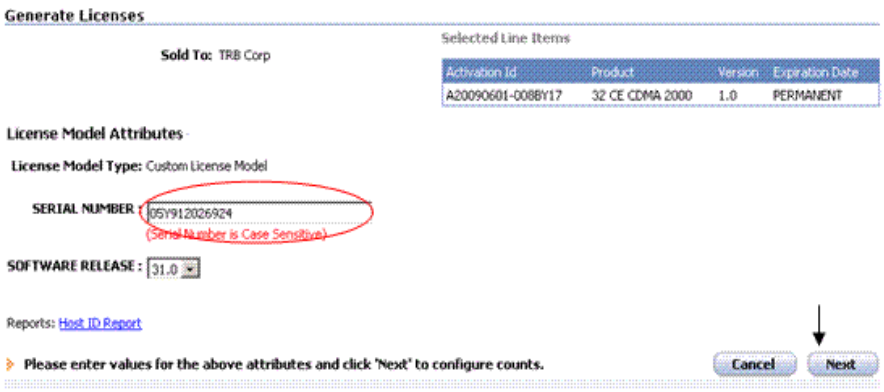
| Type | Activation ID | Sold To | Product | Part Number | Total Copies | Copies Left | Expi.. | Line.. |
|---|---|---|---|---|---|---|---|---|
| | A20090801-GZ7KQJX | TRB Corp | DOrA QoS RNC Generic Sessions Manual Expiring | 109670893 | 60 | 60 | 30 D.. | Depl.. |
| | A20090801-M4VHKAR | TRB Corp | DOrA VoIP Sessions RNC Manual Expiring | 109670885 | 55 | 55 | Feb .. | Depl.. |
| | A20090721-3D5AT4M | TRB Corp | WCDMA_UA07.0_Feature_IMCRA_Temp | .._FEATURE_IMCRA_TEMP | 10 | 8 | 30 D.. | Depl.. |
| | A20090721-UZ0BJ6K | TRB Corp | WCDMA_UA07.0_Feature_VideoTelephonyFallBackToSpeech_Temp | ..LLBACKTOSPEECH_TEMP | 10 | 8 | 30 D.. | Depl.. |
| | A20090721-411INSU | TRB Corp | WCDMA_UA07.0_Feature_HSDPA_64QAM_Temp | ..RE_HSDPA_64QAM_TEMP | 5 | 3 | 30 D.. | Depl.. |
| | A20090528-E143KK7 | TRB Corp | BTS EVDO Rev A | 300892809 | 40 | 17 | PERM.. | Depl.. |
| | A20090717-A7UA79U | TRB Corp | WCDMA_UA07.0_Feature_HSDPA_64QAM | 3JR35007AAAA | 100 | 91 | PERM.. | Depl.. |
| | A20090624-1HH3CHB | TRB Corp | CHA BTS Example | BTSCHA | 20 | 20 | PERM.. | Depl.. |
| | A20090615-QCXBD7E | TRB Corp | DOrA PTT Sessions RNC Manual Expiring | 109670851 | 10 | 9 | 90 D.. | Depl.. |
| | A20090615-FE998SY | TRB Corp | DOrA PTT Sessions RNC Manual Expiring | 109670851 | 10 | 8 | 30 D.. | Depl.. |
| | A20090612-J93M5TF | TRB Corp | RCSCARR w/ OD | 301023412 | 100 | 99 | PERM.. | Depl.. |
| | A20090521-0O2O41V | TRB Corp | CDMA Customer Code License | 109678946 | 20 | 18 | PERM.. | Depl.. |
| ☑ | A20090601-098BY17 | TRB Corp | 32 CE CDMA 2000 | 300961257 | 100 | 98 | PERM.. | Depl.. |
| | A20090601-1GV4WV9 | TRB Corp | DOrA PTT Sessions RNC | 300902905 | 1000 | 997 | PERM.. | Depl.. |
| | A20090601-RWSQWAX | TRB Corp | DOrA VoIP Sessions RNC | 300902897 | 1000 | 995 | PERM.. | Depl.. |
| | A20090521- | TRB | CDMA2000 two 13W increments 450MHZ NHPAM | 300827698 | 100 | 98 | PERM.. | Depl.. |

For this example, we will select the 32 CE CDMA 2000 license key line item (in the master list of Activatable License Key Entitlement Line Items) for the LKDI Customer TRB Corp.

Notice that the current quantity available is 98 and the activatable line item is selected by "checking" the box next to the line item you wish to fulfill.

Once the user selects the license key entitlement product (activatable line item) they wish to fulfill, they click on the **Activate** button at the top of the screen.

Once the **Activate** button is clicked, the following screen appears.




On this screen, the user needs to enter what are referred to as "License Key Fulfillment Attributes". These fulfillment attributes are needed by the license key generator for producing a valid license key, as well as for tracking purposes within the LKDI system. For the 32 CE CDMA 2000 License key entitlement product attributes, the user is required to enter the serial number for which the license key will be applied to, as well as select (through a pull-down) the software release associated with the software running the customer's network where the hardware tied to the specified serial number is located. For this example, the user enters Serial Number 05Y912026924, and selects Software Release 31.0. The user then clicks the **Next** button.

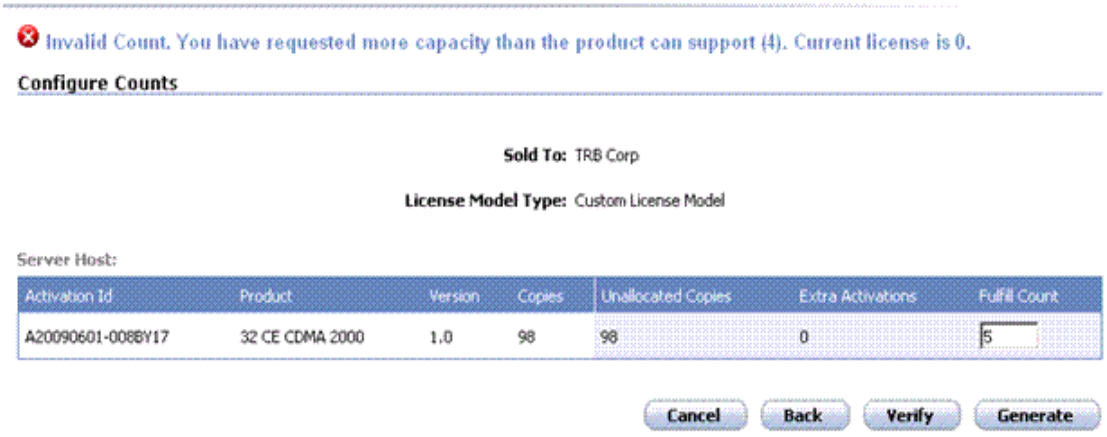
After the user clicks the **Next** Button, the following screen appears.

On this screen, the user types in the quantity for the license key fulfillment. This quantity is associated with the capacity parameters or feature sets associated with the 32 CE CDMA 2000 License key entitlement product. For example, if the user typed in a fulfillment quantity of 3, they would get a license key with 3 times the capacity parameters and feature sets associated with the 32 CE CDMA 2000 License key entitlement product.

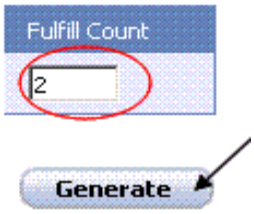
For this example, we will attempt to fulfill for a quantity of 5. The user would enter 5 in the "fulfill count" box, and then click on the **Generate** button.

**Fulfillment Rule 1:** For the 32 CE CDMA 2000 License Key Product, the maximum quantity for a given serial number is **4** for the CMU-IVb boards (32 CE x 4 = 128) and **8** for the CMU-V boards (32 CE x 8 = 256). The LKDI system enforces this quantity restriction via the serial number entered during the fulfillment process.

Due to the fact that serial number 05Y912026924 can have a license key applied to it at a maximum of quantity '4', the LKDI system blocks this fulfillment (LKDI checks the serial number against a serial number database). Notice that the error message also displays the current quantity on this particular serial number. In this example, current quantity is "0".

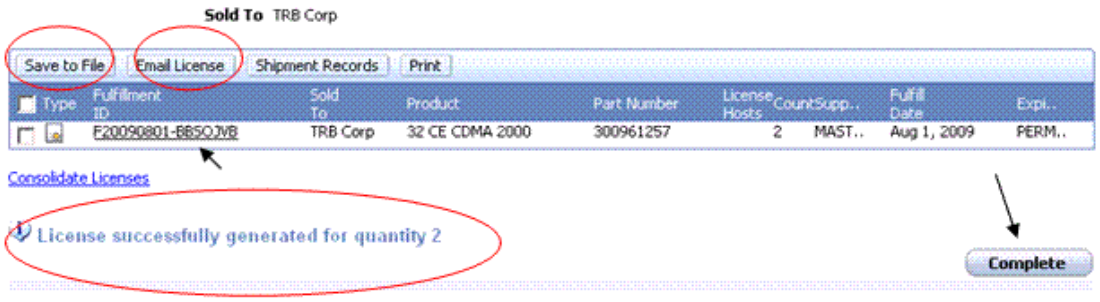



Let's change the fulfill count to something lower such as "2". The user would replace the "5" with "2" and then click the Generate Button again.




After clicking the **Generate** button, LKDI gathers the fulfillment attributes and desired quantity and calls the license key generator associated with the 32 CE CDMA 2000 license key. The license key generator produces a license key file (which contains an encrypted license key string) and sends this back to the LKDI system.

Notice (on the following screen) that the license key was successfully generated for a quantity of 2. At this point, the user can save the license file to their hard drive, email the license file, or view the license key file (by clicking on the fulfillment ID hyperlink).




**Note:** The **Complete Button** has nothing to do with the fulfillment process. By clicking this button, it means that you have completed the fulfillment, and that you wish to go back to the main list of license key entitlements (activatable items).

## Example 2

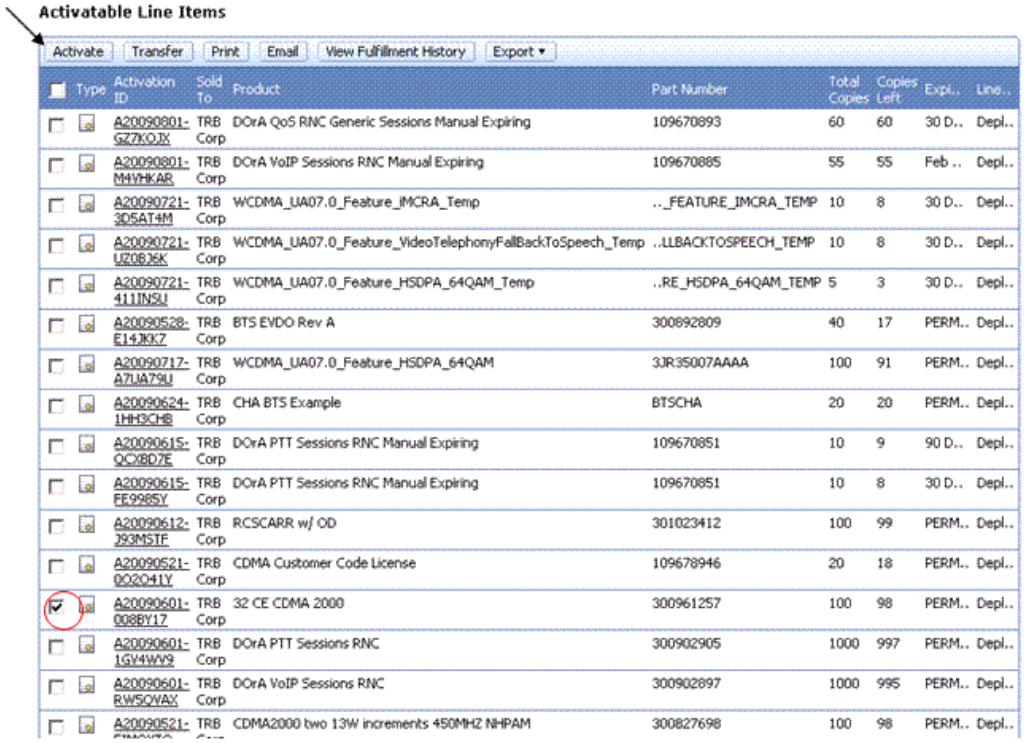
Now let's attempt to perform a subsequent (additional) fulfillment for the 32 CE CDMA 2000 license key entitlement product for the same Customer (TRB Corp) and same serial number (05Y912026924).

**Fulfillment Rule 2:** Regenerative (Cumulative) Licensing on Quantity means that you can incrementally add quantity to a Particular set of fulfillment Attributes (Serial Number, Site, Host ID, etc.) for the Same Customer and for the Same License Key Product per each subsequent fulfillment. This applies to the 32 CE CDMA 2000 Product, as well as the majority of the EvDO License Key Products.

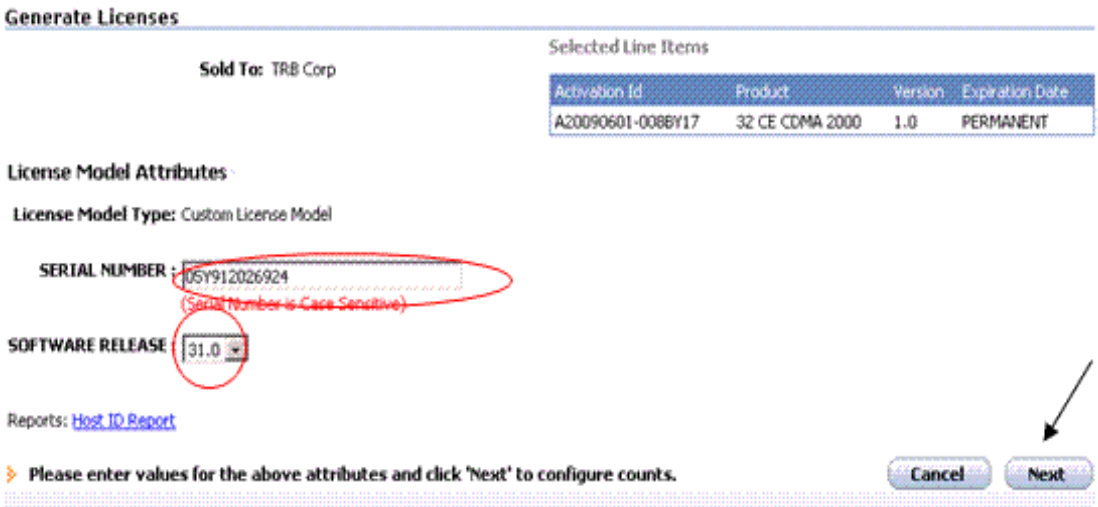
**Regenerative (Cumulative) Licensing:** Regenerative (Cumulative) licensing on quantity means that you can incrementally add quantity to a particular set of fulfillment attributes for the same customer and for the same license key product. The resulting license file, will add the currently requested quantity to the existing quantity. This newly generated license file will replace the existing license upon installation and therefore, must have the final desired quantity.

First, the user would select the 32 CE CDMA 2000 license key entitlement product from the list of Activatable Line Items by clicking the empty box to the left of the product.

The user would then click the **Activate** button.

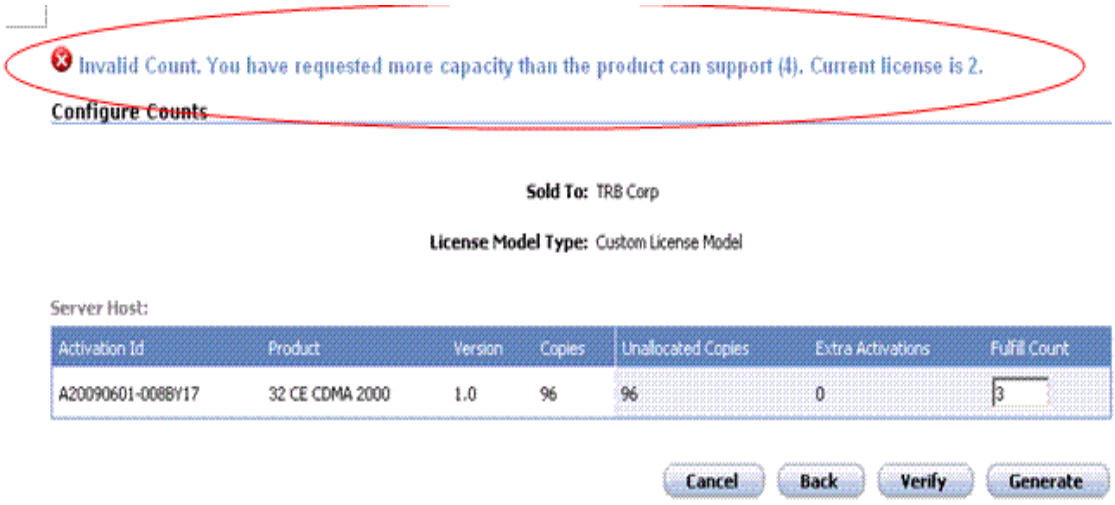

Activatable Line Items
Activate
Transfer
Print
Email
View Fulfillment History
Export
Type
Activation ID
Sold To
Product
Part Number
Total Copies
Copies Left
Expi..
Line..
A20090801-GZ7KQJX TRB Corp DOrA QoS RNC Generic Sessions Manual Expiring 109670893 60 60 30 D.. Depl..
A20090801-MHVHKAR TRB Corp DOrA VoIP Sessions RNC Manual Expiring 109670885 55 55 Feb .. Depl..
A20090721-3D5AT4M TRB Corp WCDMA_UA07.0_Feature_IMCRA_Temp ..._FEATURE_IMCRA_TEMP 10 8 30 D.. Depl..
A20090721-UZ0BJ6K TRB Corp WCDMA_UA07.0_Feature_VideoTelephonyFallBackToSpeech_Temp ..LLBACKTOSPEECH_TEMP 10 8 30 D.. Depl..
A20090721-411IN5U TRB Corp WCDMA_UA07.0_Feature_HSDPA_64QAM_Temp ..RE_HSDPA_64QAM_TEMP 5 3 30 D.. Depl..
A20090528-E14JKK7 TRB Corp BTS EVDO Rev A 300892809 40 17 PERM.. Depl..
A20090717-A7UA79U TRB Corp WCDMA_UA07.0_Feature_HSDPA_64QAM 3JR35007AAAA 100 91 PERM.. Depl..
A20090624-1HH3CHB TRB Corp CHA BTS Example BTSCHA 20 20 PERM.. Depl..
A20090615-QCXBD7E TRB Corp DOrA PTT Sessions RNC Manual Expiring 109670851 10 9 90 D.. Depl..
A20090615-FE998SY TRB Corp DOrA PTT Sessions RNC Manual Expiring 109670851 10 8 30 D.. Depl..
A20090612-J93MSTF TRB Corp RCSCARR w/ OD 301023412 100 99 PERM.. Depl..
A20090521-0O2O41Y TRB Corp CDMA Customer Code License 109678946 20 18 PERM.. Depl..
A20090601-008BY17 TRB Corp 32 CE CDMA 2000 300961257 100 98 PERM.. Depl..
A20090601-1GV4WV9 TRB Corp DOrA PTT Sessions RNC 300902905 1000 997 PERM.. Depl..
A20090601-RW5QVAX TRB Corp DOrA VoIP Sessions RNC 300902897 1000 995 PERM.. Depl..
A20090521- TRB Corp CDMA2000 two 13W increments 450MHZ NHPAM 300827698 100 98 PERM.. Depl..

When the new screen appears, the user enters Serial Number 05Y912026924, and selects Software Release 31.0. The user then clicks the **Next** button.

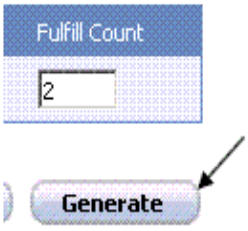


The user is now on the page where the full count is determined. Let's say the user enters a quantity of 3 on this page, and clicks the **Verify** button. The **Verify** operation checks to see if the fulfillment attributes entered (including quantity) is a valid set of attributes for generating a license key.

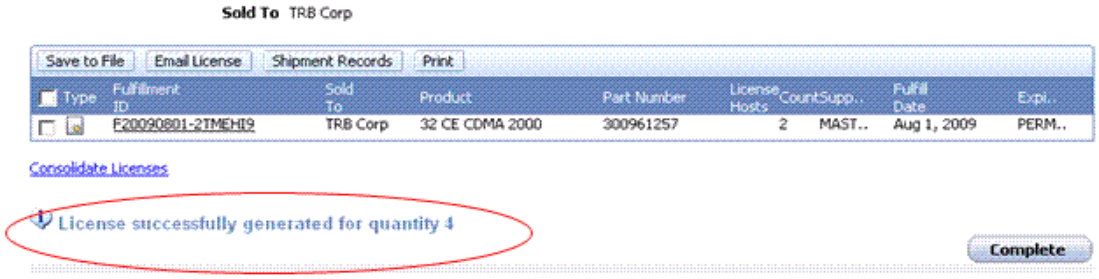
Notice that the LKDI system tells the user that this is not a valid fulfillment scenario, for this serial number can only have a maximum total quantity of "4", and adding "3" to a previous fulfillment of "2" is over this limit (total quantity would be "5"). ***This is what is known as regenerative licensing***.



If the user changes the quantity to "1" or "2" and clicks the generate button, a successful fulfillment can occur.




A successful license key fulfillment has occurred and the resulting license key is at a total quantity of "4" (2+2).

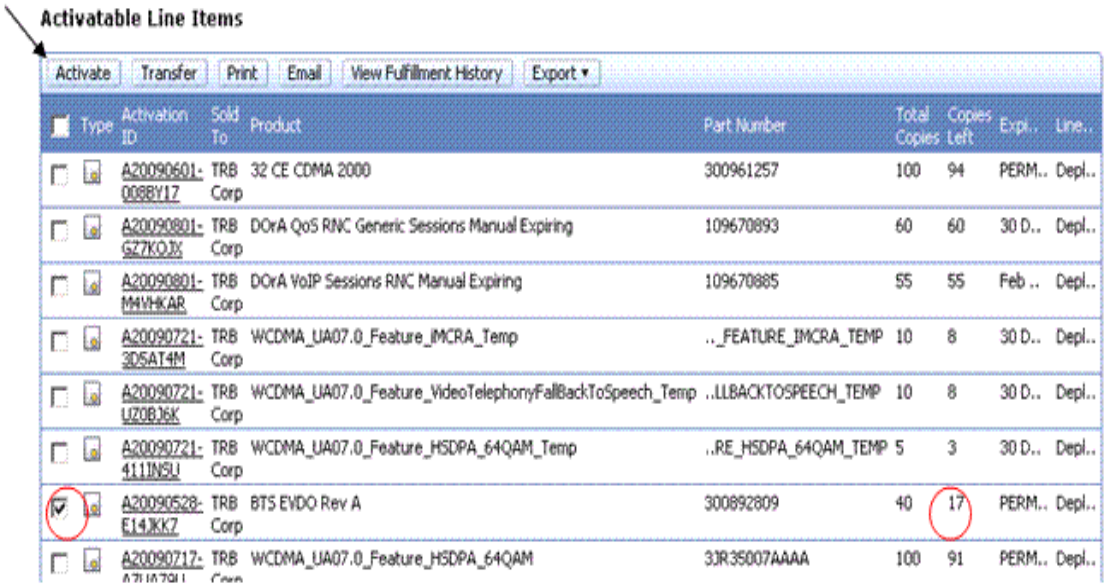



# EvDO single product license key fulfillment

### Example 1

This example will show the fulfillment flow for an EvDO license key entitlement product.

When an LKDI user logs into the LDKI system, they are able to see a set of license key entitlements which are ready to be transformed into license keys. These are referred to as "Activatable Line Items" (see the following screen ).




| Type | Activation ID | Sold To | Product | Part Number | Total Copies | Copies Left | Expi.. | Line.. |
|---|---|---|---|---|---|---|---|---|
| | A20090601-0088Y17 | TRB Corp | 32 CE CDMA 2000 | 300961257 | 100 | 94 | PERM.. | Depl.. |
| | A20090801-GZ7KOJV | TRB Corp | DOrA QoS RNC Generic Sessions Manual Expiring | 109670893 | 60 | 60 | 30 D.. | Depl.. |
| | A20090801-M4VHKAR | TRB Corp | DOrA VoIP Sessions RNC Manual Expiring | 109670885 | 55 | 55 | Feb .. | Depl.. |
| | A20090721-3D5AT4M | TRB Corp | WCDMA_UA07.0_Feature_IMCRA_Temp | .._FEATURE_IMCRA_TEMP | 10 | 8 | 30 D.. | Depl.. |
| | A20090721-UZ0BJ6K | TRB Corp | WCDMA_UA07.0_Feature_VideoTelephonyFallBackToSpeech_Temp | ..LLBACKTOSPEECH_TEMP | 10 | 8 | 30 D.. | Depl.. |
| | A20090721-411INSU | TRB Corp | WCDMA_UA07.0_Feature_HSDPA_64QAM_Temp | ..RE_HSDPA_64QAM_TEMP | 5 | 3 | 30 D.. | Depl.. |
| ☑ | A20090528-E14JKK7 | TRB Corp | BTS EVDO Rev A | 300892809 | 40 | 17 | PERM.. | Depl.. |
| | A20090717- | TRB Corp | WCDMA_UA07.0_Feature_HSDPA_64QAM | 3JR35007AAAA | 100 | 91 | PERM.. | Depl.. |

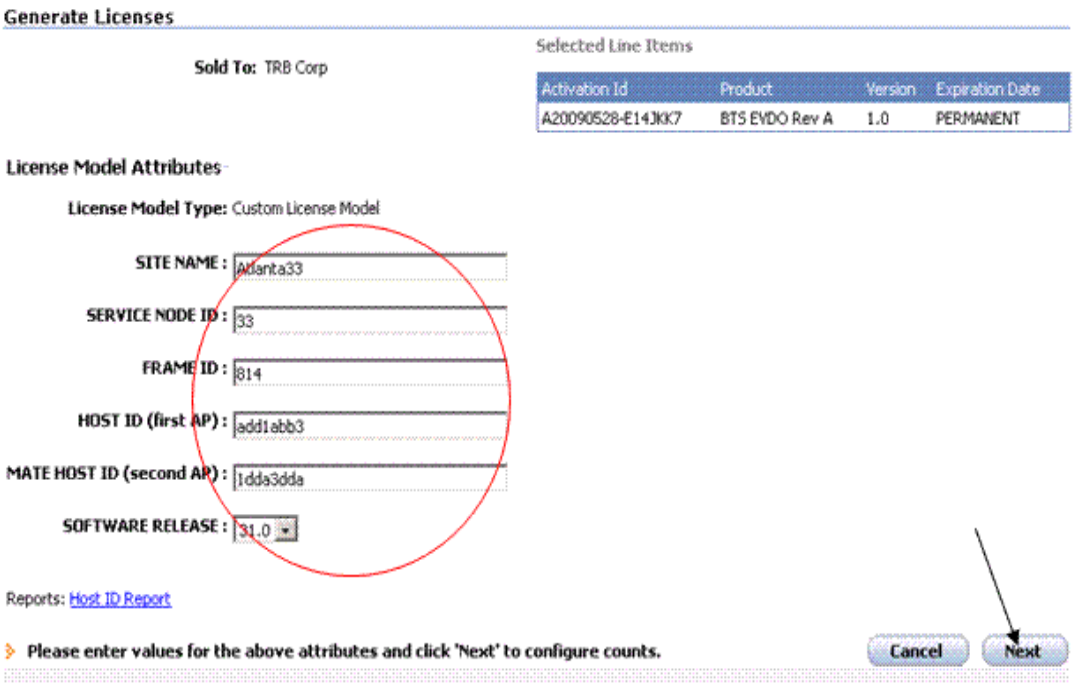
For this example, we will select the EvDO product BTS EVDO Rev A license key line item in the master list of Activatable License Key Entitlement Line Items for the LKDI Customer TRB Corp.

Notice that the current quantity available is 17 and the activatable line item is selected by "clicking" the box.

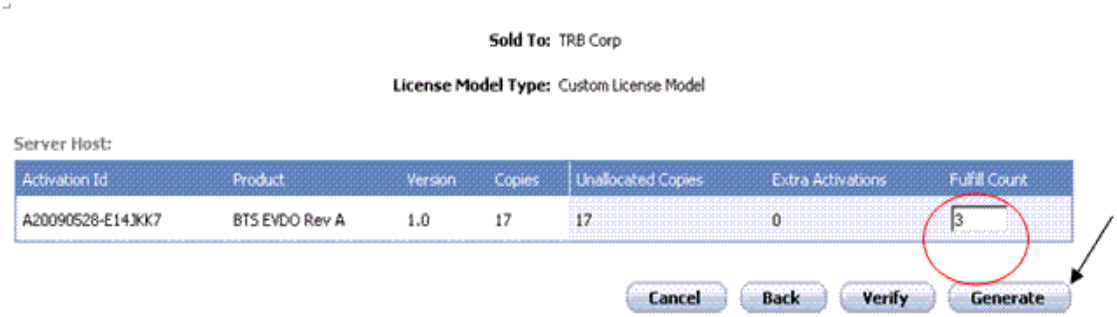
Once the user selects the license key entitlement product (activatable line item) they wish to fulfill, they click on the **Activate** button at the top of the screen.

Once the **Activate** button is clicked, the following screen appears. On this screen, the user needs to enter what are referred to as "License Key Fulfillment Attributes". These fulfillment attributes are needed by the license key generator for producing a valid license key, as well as for tracking purposes within the LKDI system. For the 'BTS EVDO REV A' product License Key attributes, the user is required to type in the Site Name, Service Node ID, Host ID, and Mate Host ID associated with the customer's RNC (Regional Network Center). In addition, the user must select (through a pull-down), the Network

Software Release associated with the software on the customer's RNC where the hardware is located. For this example, the user enters the required attributes and selects (via a pull-down) Software Release 31.0. The user then clicks the **Next** button.




After the user clicks the **Next** button, the following screen appears.




On this screen, the user enters in the quantity for the license key fulfillment. This quantity is associated with the capacity parameters or feature sets associated with the BTS EVDO Rev A License key entitlement product. For example, if the user typed in a fulfillment quantity of 3, they would get a license key with 3 times the capacity parameters and feature sets associated with the BTS EVDO Rev A License key entitlement product. For this example, the user will enter a fulfill count of "3" and then click the **Generate** button.

After clicking the **Generate** button, LKDI gathers the fulfillment attributes and desired quantity and calls the license key generator associated with the BTS EVDO license key entitlement product. The license key generator produces a license key file (which contains an encrypted license key string) and sends this back to the LKDI system.

Notice that the license key was successfully generated for a quantity of 3. At this point, the user can save the license file to their hard drive, email the license key file, or view the license key file (by clicking on the fulfillment ID hyperlink).

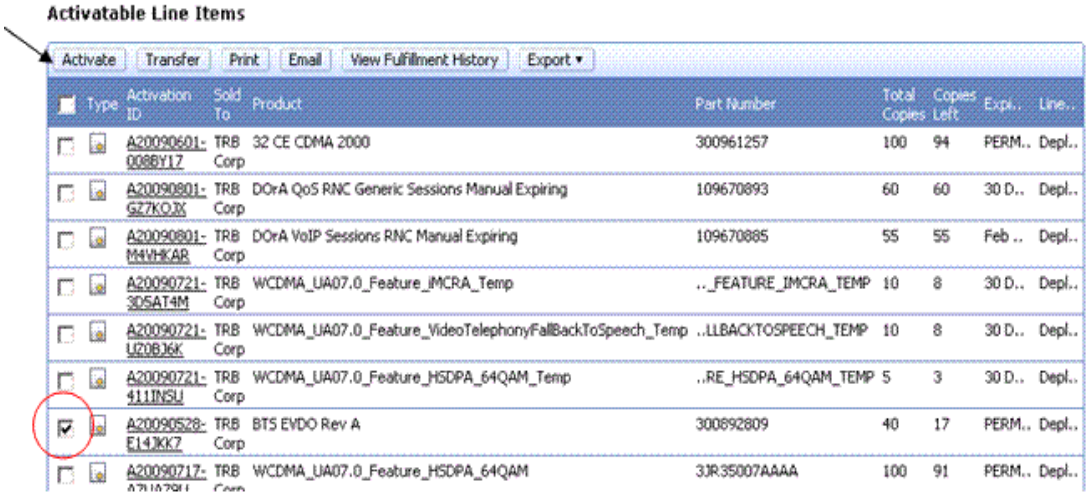
**Note:** The **Complete** button has nothing to do with the fulfillment process. By clicking this button, it means that you have completed the fulfillment, and that you wish to go back to the main list of license key entitlements (activatable items).

## Example 2

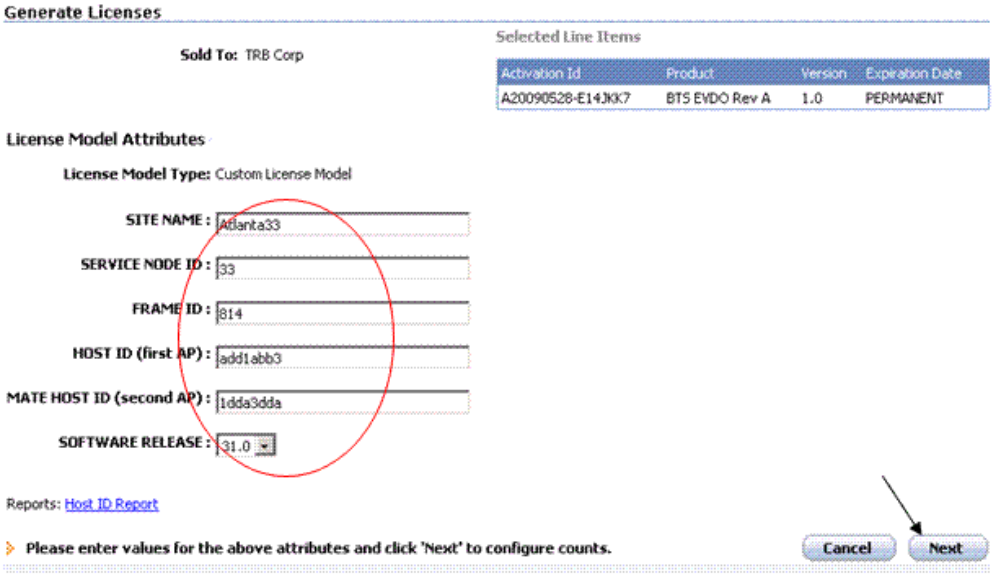
Now let's attempt to perform a subsequent fulfillment for the BTS EVDO Rev A license key entitlement product for the same Customer (TRB Corp) and same set off fulfillment attributes.

**Fulfillment Rule 2:** Regenerative (Cumulative) Licensing on Quantity means that you can incrementally add quantity to a Particular set of fulfillment Attributes (Serial Number, Site, Host ID, etc.) for the Same Customer and for the Same License Key Product per each subsequent fulfillment. This applies to the 32 CE CDMA 2000 Product, as well as the majority of the EvDO License Key Products.

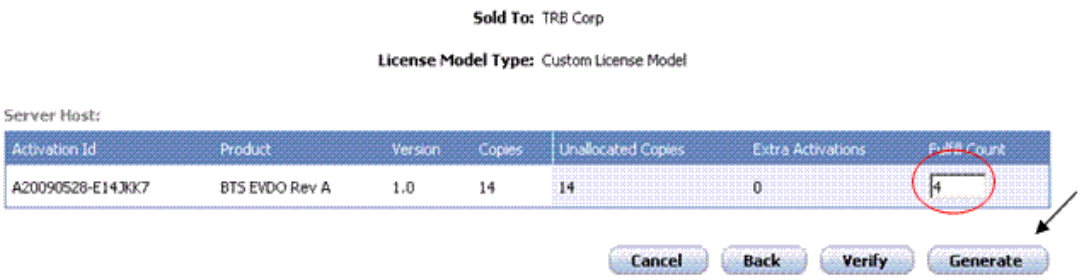
1 First, the user would select the BTS EVDO Rev A product from the list of Activatable Line Items. The user would then click the **Activate** button.


Activatable Line Items
Activate
Transfer
Print
Email
View Fulfillment History
Export
Type
Activation ID
Sold To
Product
Part Number
Total Copies
Copies Left
Expi..
Line..
A20090601-008BY17 TRB Corp 32 CE CDMA 2000 300961257 100 94 PERM.. Depl..
A20090801-GZ7KOJX TRB Corp DOrA QoS RNC Generic Sessions Manual Expiring 109670893 60 60 30 D.. Depl..
A20090801-M4VHKAR TRB Corp DOrA VoIP Sessions RNC Manual Expiring 109670885 55 55 Feb .. Depl..
A20090721-3D5AT4M TRB Corp WCDMA_UA07.0_Feature_IMCRA_Temp ..FEATURE_IMCRA_TEMP 10 8 30 D.. Depl..
A20090721-UZ0BJ6K TRB Corp WCDMA_UA07.0_Feature_VideoTelephonyFallBackToSpeech_Temp ..LLBACKTOSPEECH_TEMP 10 8 30 D.. Depl..
A20090721-411INSU TRB Corp WCDMA_UA07.0_Feature_HSDPA_64QAM_Temp ..RE_HSDPA_64QAM_TEMP 5 3 30 D.. Depl..
A20090528-E14JKK7 TRB Corp BTS EVDO Rev A 300892809 40 17 PERM.. Depl..
A20090717- TRB WCDMA_UA07.0_Feature_HSDPA_64QAM 3JR35007AAAA 100 91 PERM.. Depl..

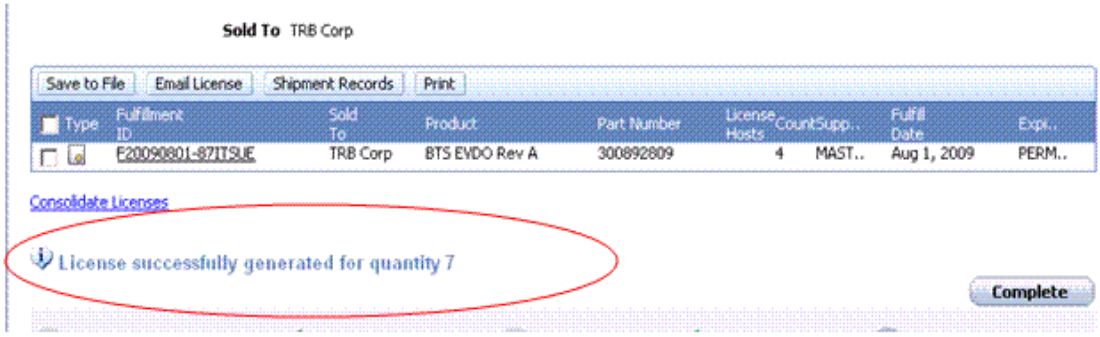
2 The user enters the same required attributes from the previous fulfillment and selects (via a pull-down) Software Release 31.0. The user then clicks the **Next** button.


Generate Licenses
Sold To: TRB Corp
Selected Line Items
Activation Id
Product
Version
Expiration Date
A20090528-E14JKK7 BTS EVDO Rev A 1.0 PERMANENT
License Model Attributes
License Model Type: Custom License Model
SITE NAME : Atlanta33
SERVICE NODE ID : 33
FRAME ID : 814
HOST ID (first AP) : add1abb3
MATE HOST ID (second AP) : 1dda3dda
SOFTWARE RELEASE : 31.0
Reports: Host ID Report
Please enter values for the above attributes and click 'Next' to configure counts.
Cancel
Next

3 The user then enters a fulfill count of "4" and clicks the **Generate** button.




**Result:** Notice that the new license key quantity is now "7" (3+4).




END OF STEPS

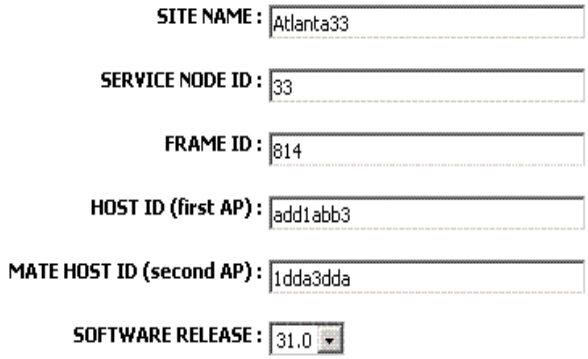
## Example 3

### Specific Attribute Grouping Rules for the EvDO license key entitlement products

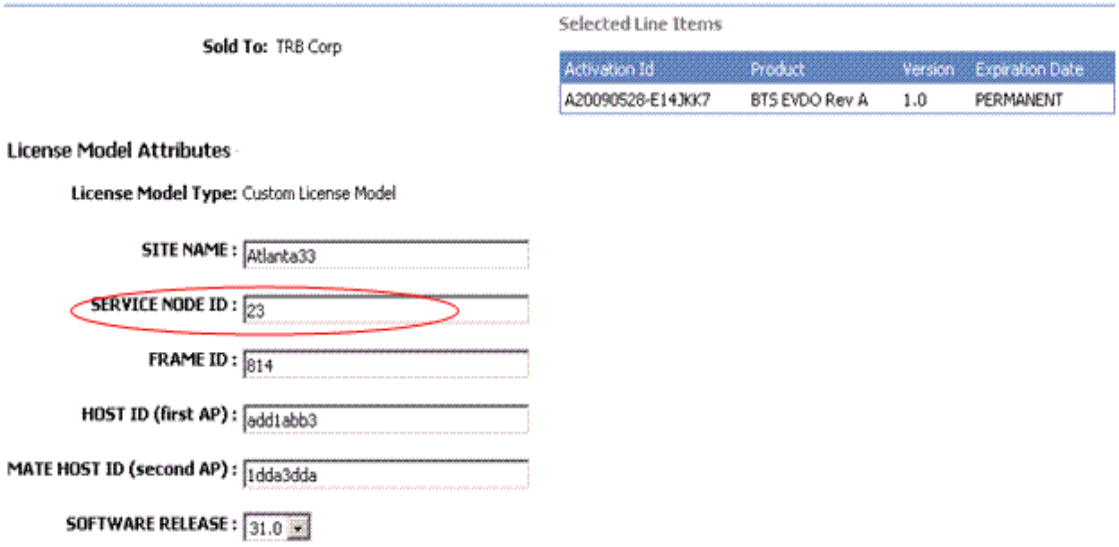
The following will demonstrate some attribute grouping rules unique to the EvDO License key entitlement products.

**Fulfillment Rule 3:** For a unique customer/license key product combination, certain EvDO fulfillment attributes are married together. For example, once a "Site Name" / "Service Node ID" pairing is established, they are linked together for all subsequent fulfillments for a unique customer/license key product instance. Also, once a "Frame ID" / "Host ID" / "Mate Host ID" grouping is established, they are linked together for all subsequent fulfillments for a unique customer/license key product instance.

Let's use the previous fulfillment example for the basis of this demonstration. Previously, we fulfilled a BTS EVDO REV A license key entitlement product with the following fulfillment attributes:

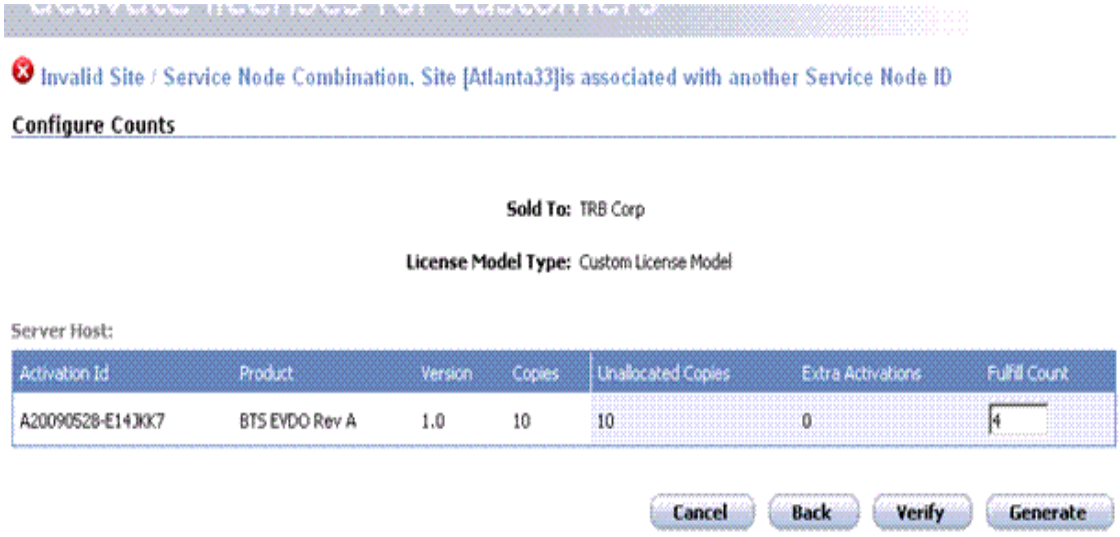

SITE NAME : Atlanta33
SERVICE NODE ID : 33
FRAME ID : 814
HOST ID (first AP) : add1abb3
MATE HOST ID (second AP) : 1dda3dda
SOFTWARE RELEASE : 31.0

1 Let's now try a subsequent fulfillment and change the Service Node ID from "33" to "23", and let's leave the other fulfillment attributes as they were.




**Result:** Notice the error message shown below when we try to fulfill a BTS EVDO Rev A license key entitlement product with this set of fulfillment attributes. Notice it does not allow Site "Atlanta33" to be associated with any Service Node ID other than

"33". This same type of error would have occurred if we instead changed the Site Name to Atlanta23 (or something other than Atlanta33), and kept the Service Node ID at "33".

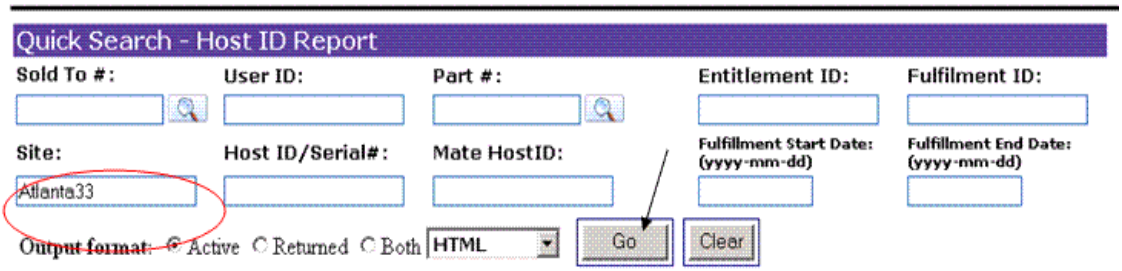



2 Check the LKDI Reports to see what Site ID / Service Node IDs currently exist.

Click on the "Start Page" button.

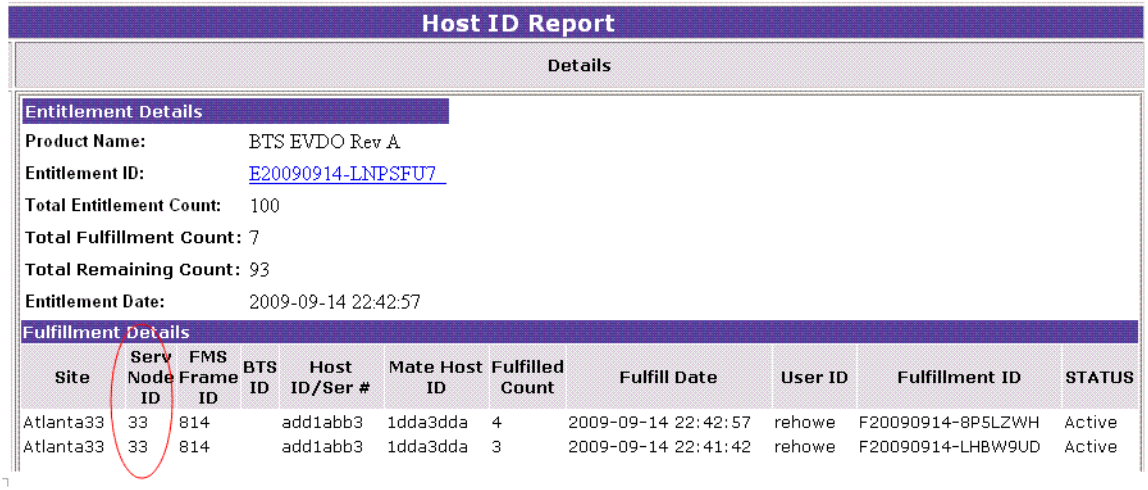
3 Click on "Host ID" report.

**Result:** The following is displayed:




4 Enter Atlanta33 in the "Site" Box and click **GO**.

**Result:** As you can see in the following screen, the Site Name Atlanta33 is associated with Service Node ID 33, not 32.



**Host ID Report**

**Details**

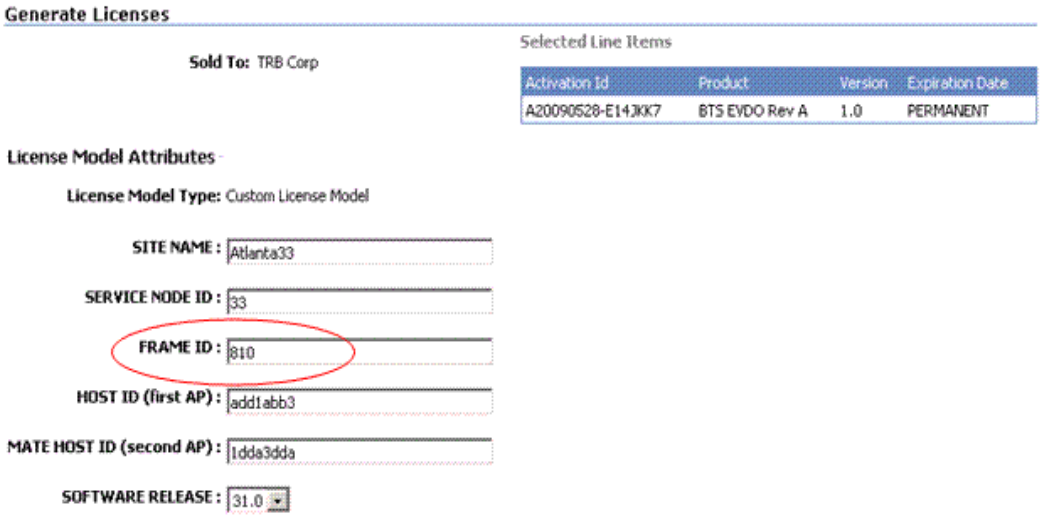
**Entitlement Details**

| | |
|---|---|
| **Product Name:** | BTS EVDO Rev A |
| **Entitlement ID:** | E20090914-LNPSFU7 |
| **Total Entitlement Count:** | 100 |
| **Total Fulfillment Count:** | 7 |
| **Total Remaining Count:** | 93 |
| **Entitlement Date:** | 2009-09-14 22:42:57 |

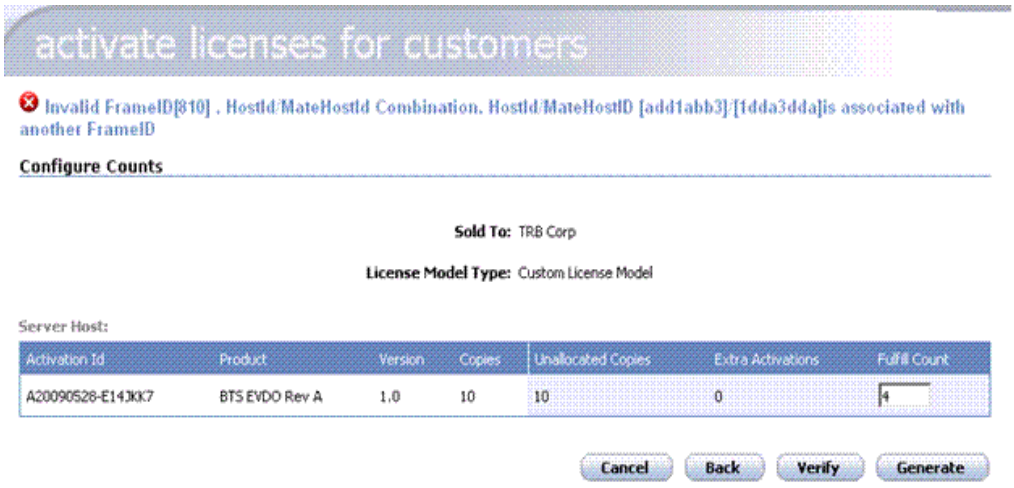
**Fulfillment Details**

| Site | Serv Node ID | FMS Frame ID | BTS ID | Host ID/Ser # | Mate Host ID | Fulfilled Count | Fulfill Date | User ID | Fulfillment ID | STATUS |
|---|---|---|---|---|---|---|---|---|---|---|
| Atlanta33 | 33 | 814 | | add1abb3 | 1dda3dda | 4 | 2009-09-14 22:42:57 | rehowe | F20090914-8P5LZWH | Active |
| Atlanta33 | 33 | 814 | | add1abb3 | 1dda3dda | 3 | 2009-09-14 22:41:42 | rehowe | F20090914-LHBW9UD | Active |

5 Let's cancel this fulfillment and now try a subsequent fulfillment. We'll change the Frame ID from "814" to "810", and we'll leave the other fulfillment attributes as they were.




**Result:** Notice the error message shown below when we try to fulfill a BTS EVDO Rev A license key entitlement product with this set of fulfillment attributes. Notice it does not allow the Host ID and Mate Host ID (add1abb3 / 1dda3dda) to be associated with any Frame ID other than "814". This same type of error would have occurred if we instead changed either/both the Host ID or Mate Host ID and kept the Frame ID of "814".




**Note:** You can also use the aforementioned Host ID report to correctly identify the Host ID / Host Mate ID Pairings.

END OF STEPS

# C Log-in instructions for Alcatel-Lucent Employees

## Introduction

This appendix provides log-in instructions for Alcatel-Lucent employees (performing fulfillment activities on behalf of a customer).

### Appendix Contents

This appendix covers the topics that are listed in Table C-1.

**Table C-1 Topics List**

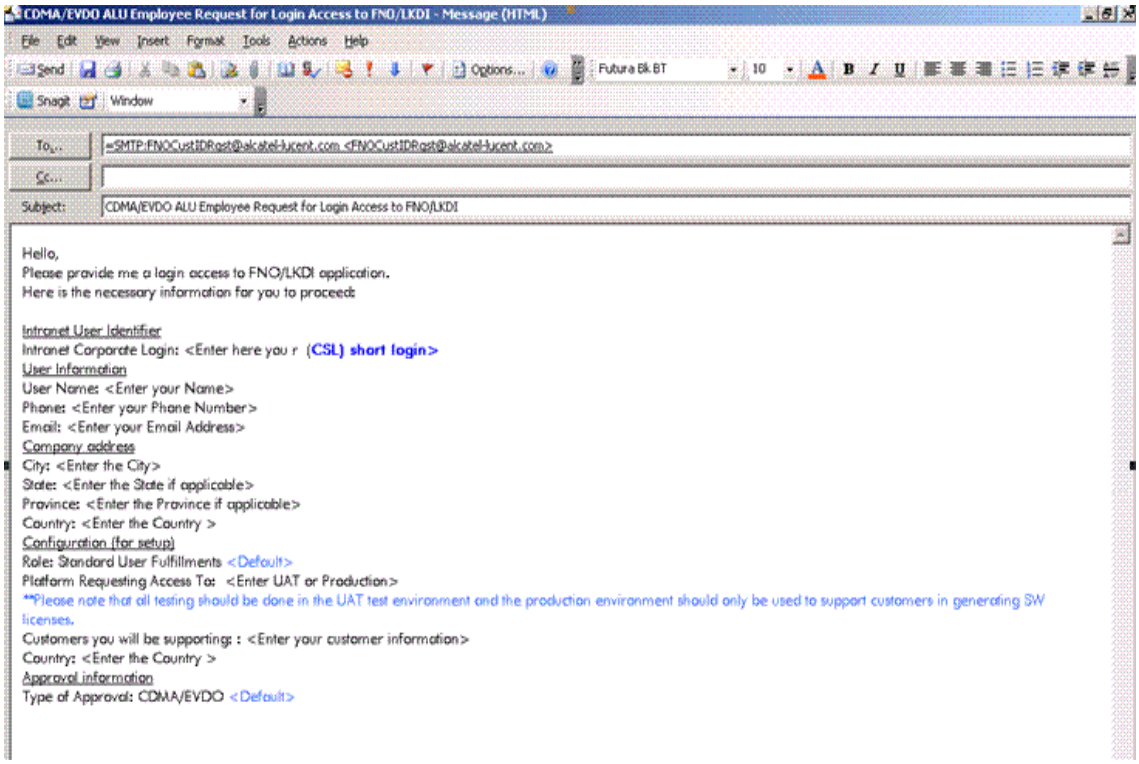

| Topic | See page |
|---|---|
| Alcatel-Lucent Employee Log-in | C-1 |


## Alcatel-Lucent Employee Log-in

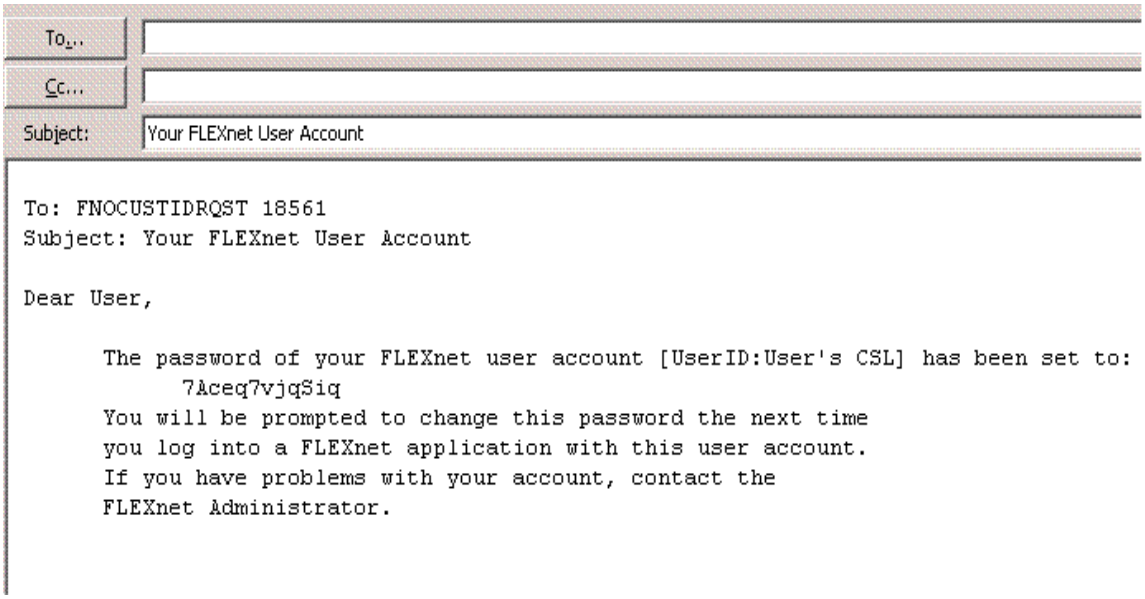
1 To request a login, send your request to: FNOEmplIDRqst@alcatel-lucent.com. Please include the information of Figure C-1 in your request.

Click the icon at right for email format. ---->

**Figure C-1 Login Request Information**




**2** You will receive confirmation of your approval and activation by receiving the following email:



3 To access LKDI/FNO, use the following URL

**`https://fnoadmin.web.alcatel-lucent.com/flexnet/operationsportal/logon.do`**

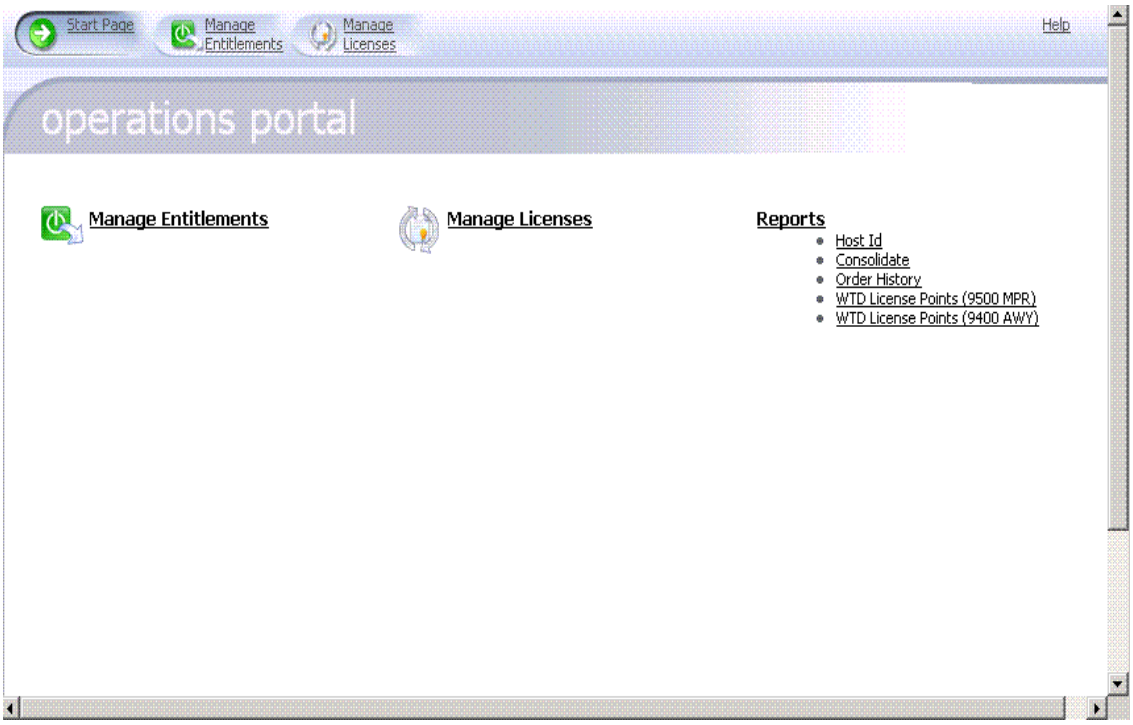
You will be asked to change your password the first time you log-in.

UAT LKDI URL:

**`http://uat-softwarekeys.web.alcatel-lucent.com:8888/flexnet/operationsportal/logon.do`**

4 By clicking on the **Software License Key Delivery Infrastructure** link you will be directed into the FLEXNet Operations Portal Start Page.

5 From the Operations Portal Start Page one can Manage Entitlements, Manage Licenses or generate Reports.




END OF STEPS

# D History of Revisions

## Reasons for Reissues

This appendix identifies information that was added or changed information in previous issues of this document.

## Issue 5 (October 2009)

Issue 5 (October 2009) provides updated OLCS pages and additional fulfillment examples.

## Issue 4 (February 2009)

Issue 4 (February 2009) provides updated examples for FNO OHIO release upgrade.

## Issue 3 (October 2008)

Issue 3 (October 2008) added information about browser settings and common error messages.

## Issue 2 (September 2007)

Issue 2 (September 2007) provided updated screenshots for the Log In Process.

# Issue 1 (September 2007)

Issue 1 (September 2007) was the initial document release.

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